

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101722\
 Data File : BG055199.D
 Acq On : 17 Oct 2022 19:28
 Operator : CG/JU
 Sample : N5151-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-C2(0-6)

Quant Time: Oct 18 04:42:48 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)

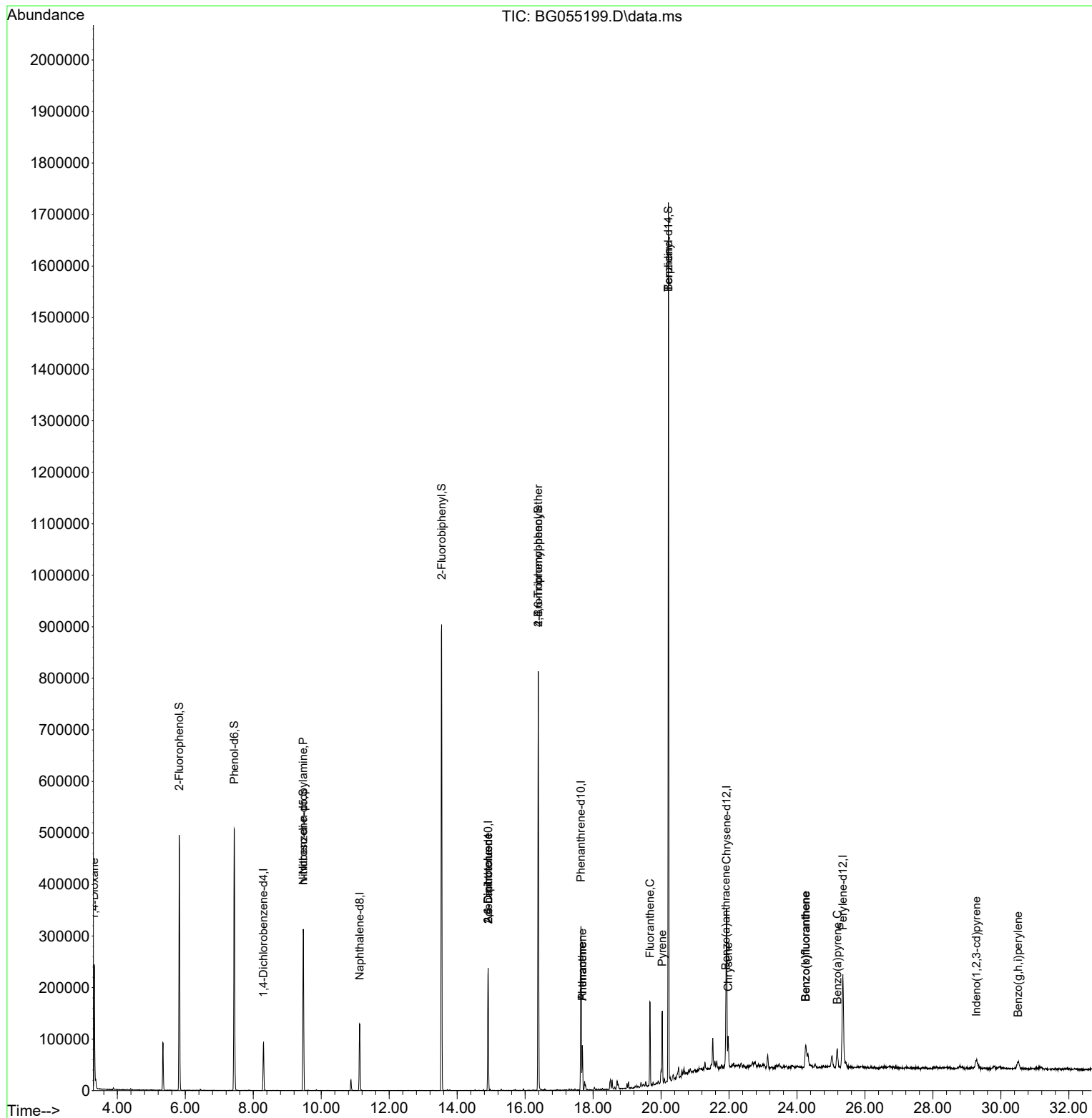
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.300	152	27445	20.000	ng	0.00
21) Naphthalene-d8	11.132	136	116340	20.000	ng	0.00
39) Acenaphthene-d10	14.910	164	86916	20.000	ng	0.00
64) Phenanthrene-d10	17.642	188	205341	20.000	ng	0.00
76) Chrysene-d12	21.925	240	190234	20.000	ng	0.00
86) Perylene-d12	25.351	264	203775	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.821	112	217282	154.894	ng	0.00
7) Phenol-d6	7.437	99	293648	141.511	ng	0.00
23) Nitrobenzene-d5	9.469	82	187562	86.453	ng	0.00
42) 2,4,6-Tribromophenol	16.385	330	179322	143.586	ng	0.00
45) 2-Fluorobiphenyl	13.541	172	488524	91.816	ng	0.00
79) Terphenyl-d14	20.216	244	845297	89.492	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.318	88	1829	3.081	ng	# 1
19) n-Nitroso-di-n-propyla...	9.469	70	26183	15.634	ng	# 76
51) 2,6-Dinitrotoluene	14.910	165	11133	7.743	ng	# 21
57) 2,4-Dinitrotoluene	14.910	165	11133	5.287	ng	# 23
67) 4-Bromophenyl-phenylether	16.385	248	10969	4.900	ng	# 1
71) Phenanthrene	17.683	178	54461	5.113	ng	97
72) Anthracene	17.683	178	54461	5.232	ng	99
75) Fluoranthene	19.675	202	106608	8.007	ng	98
77) Benzidine	20.216	184	12237	2.868	ng	# 93
78) Pyrene	20.034	202	94403	7.444	ng	98
81) Benzo(a)anthracene	21.902	228	42484	3.490	ng	99
83) Chrysene	21.972	228	42041	3.662	ng	98
87) Indeno(1,2,3-cd)pyrene	29.276	276	31307	2.074	ng	# 81
88) Benzo(b)fluoranthene	24.252	252	56354	4.640	ng	# 97
89) Benzo(k)fluoranthene	24.252	252	56354	4.618	ng	97
90) Benzo(a)pyrene	25.186	252	42262	4.069	ng	97
92) Benzo(g,h,i)perylene	30.504	276	29478	2.409	ng	95

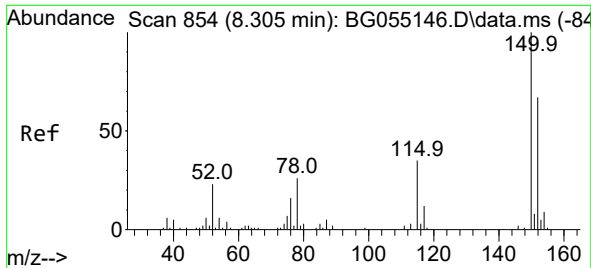
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101722\
Data File : BG055199.D
Acq On : 17 Oct 2022 19:28
Operator : CG/JU
Sample : N5151-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-C2(0-6)

Quant Time: Oct 18 04:42:48 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

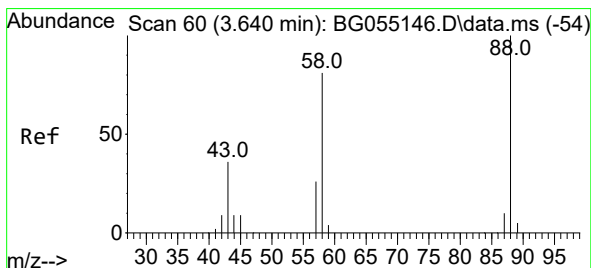
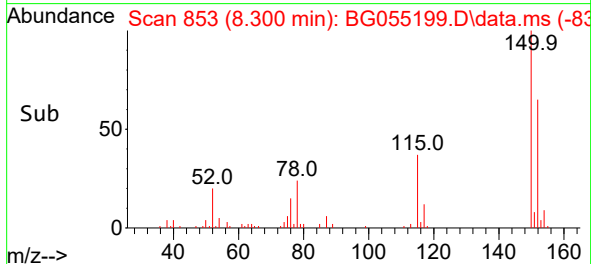
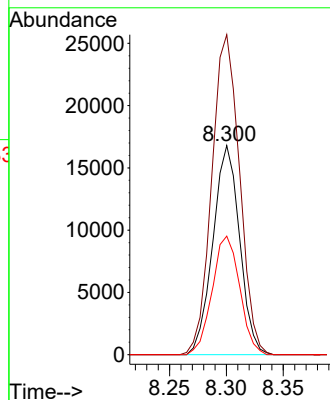
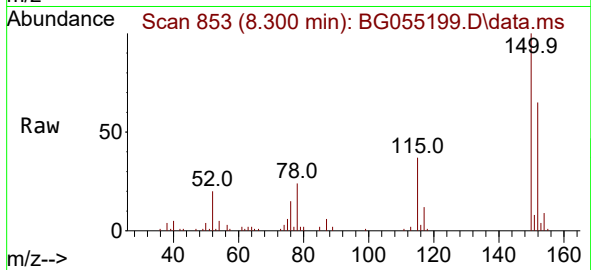




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.300 min Scan# 8
 Delta R.T. -0.005 min
 Lab File: BG055199.D
 Acq: 17 Oct 2022 19:28

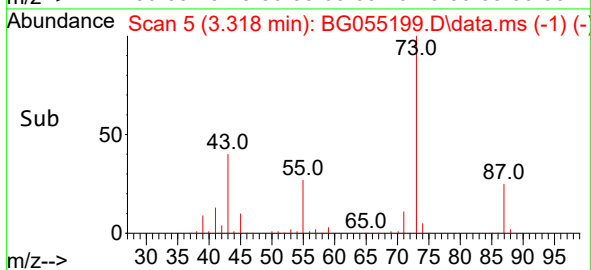
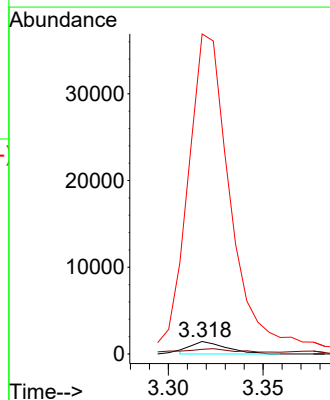
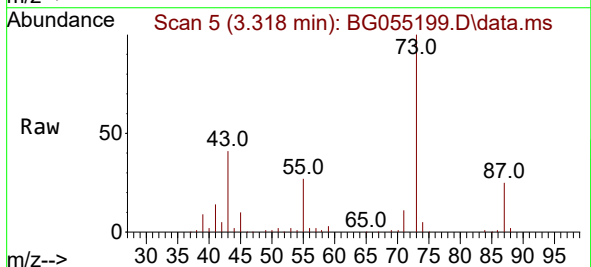
Instrument :
 BNA_G
 ClientSampleId :
 WC-C2(0-6)

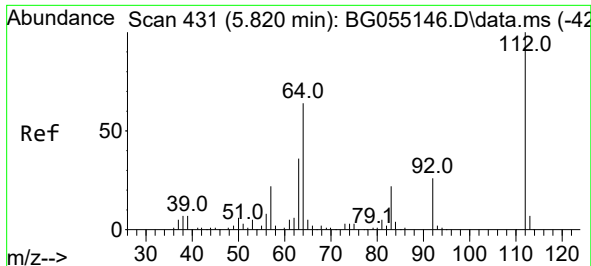
Tgt Ion:152 Resp: 27445
 Ion Ratio Lower Upper
 152 100
 150 153.0 119.7 179.5
 115 56.7 42.4 63.6



#2
 1,4-Dioxane
 Concen: 3.081 ng
 RT: 3.318 min Scan# 5
 Delta R.T. -0.322 min
 Lab File: BG055199.D
 Acq: 17 Oct 2022 19:28

Tgt Ion: 88 Resp: 1829
 Ion Ratio Lower Upper
 88 100
 58 27.3 61.0 91.4#
 43 2802.3 26.5 39.7#

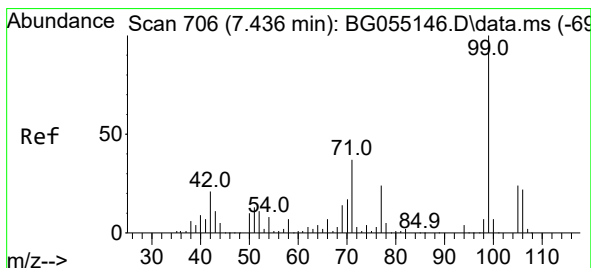
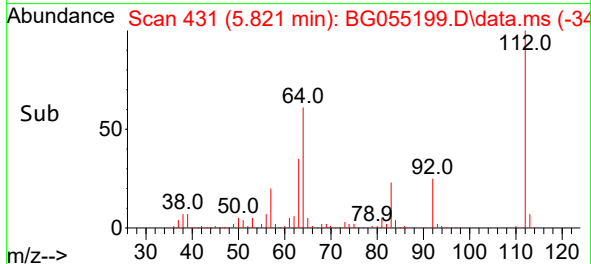
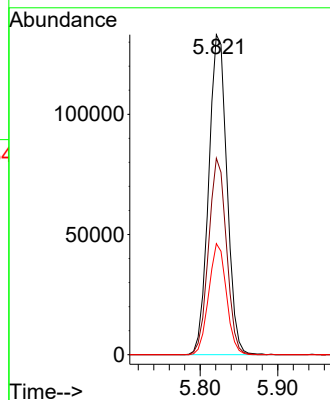
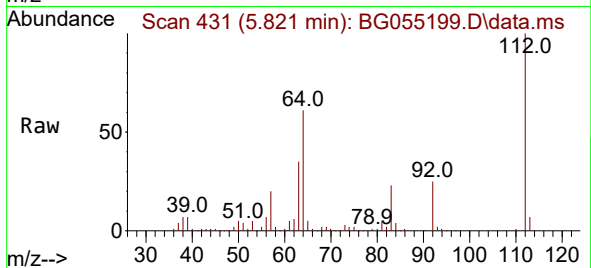




#5
2-Fluorophenol
Concen: 154.894 ng
RT: 5.821 min Scan# 41
Delta R.T. 0.001 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

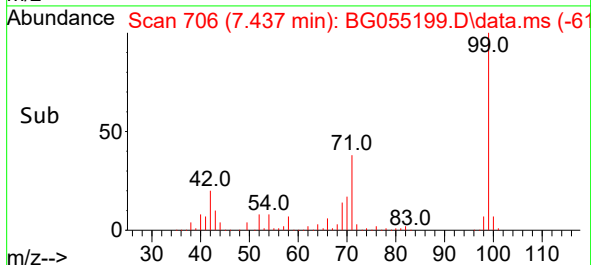
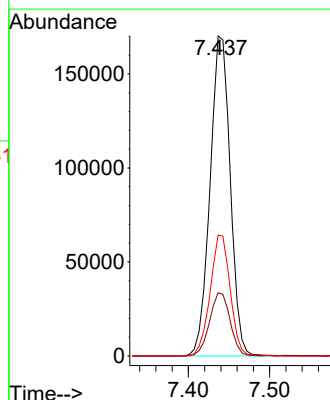
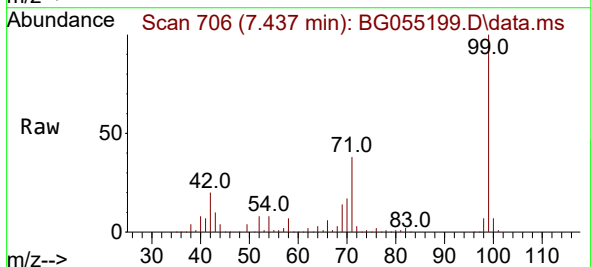
Instrument :
BNA_G
ClientSampleId :
WC-C2(0-6)

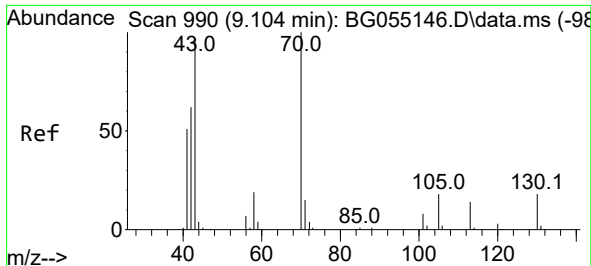
Tgt Ion:112 Resp: 217282
Ion Ratio Lower Upper
112 100
64 61.4 50.9 76.3
63 34.7 29.0 43.6



#7
Phenol-d6
Concen: 141.511 ng
RT: 7.437 min Scan# 706
Delta R.T. 0.001 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

Tgt Ion: 99 Resp: 293648
Ion Ratio Lower Upper
99 100
42 19.8 16.6 25.0
71 37.8 29.6 44.4

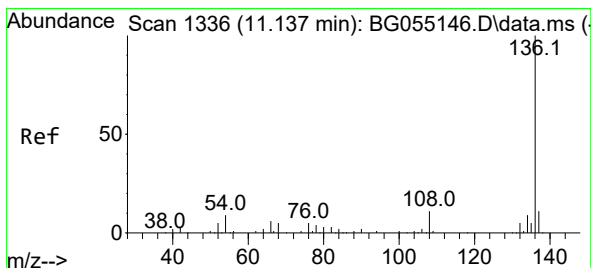
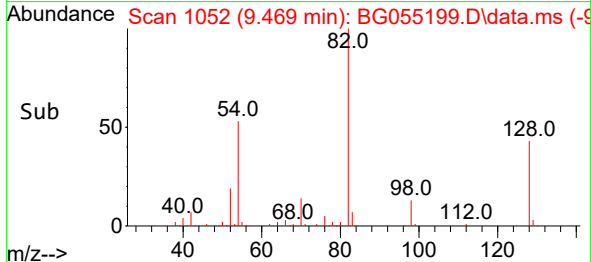
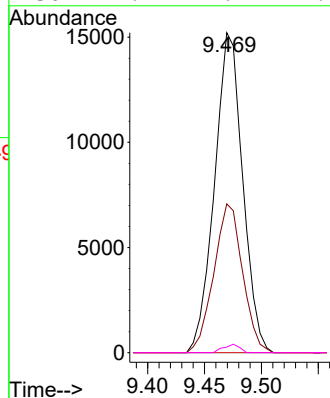
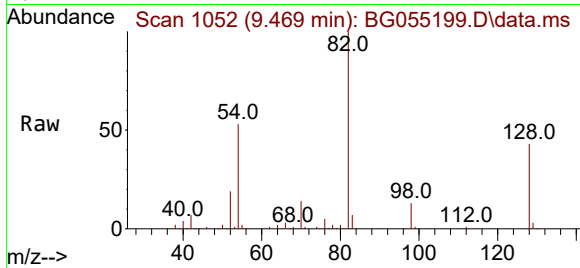




#19
n-Nitroso-di-n-propylamine
Concen: 15.634 ng
RT: 9.469 min Scan# 1052
Delta R.T. 0.365 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

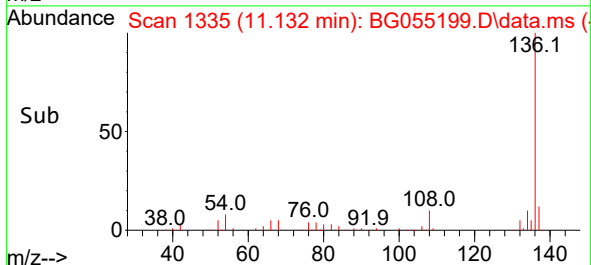
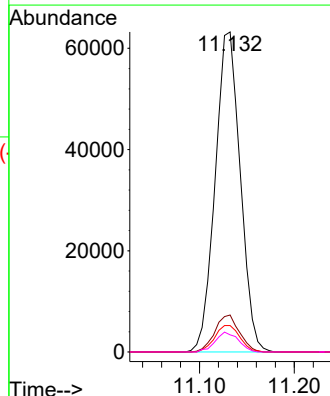
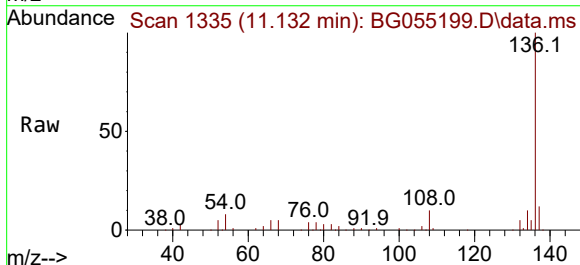
Instrument :
BNA_G
ClientSampleId :
WC-C2(0-6)

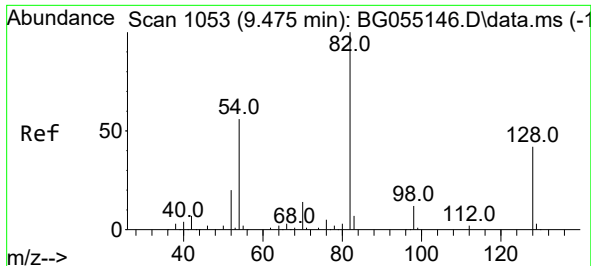
Tgt Ion:	70	Resp:	26183
Ion	Ratio	Lower	Upper
70	100		
42	46.5	50.1	75.1#
101	0.0	6.6	10.0#
130	1.7	14.7	22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.132 min Scan# 1335
Delta R.T. -0.005 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

Tgt Ion:	136	Resp:	116340
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	8.2	7.0	10.6
68	5.3	4.3	6.5

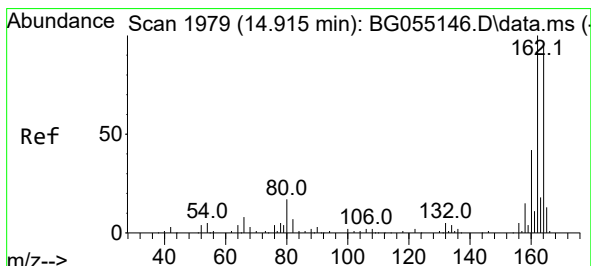
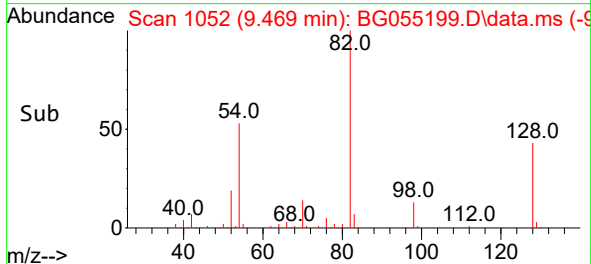
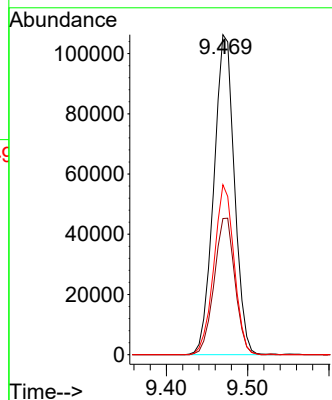
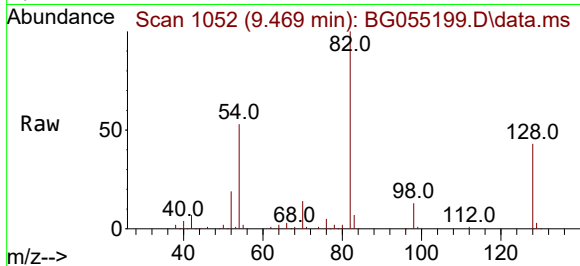




#23
 Nitrobenzene-d5
 Concen: 86.453 ng
 RT: 9.469 min Scan# 1052
 Delta R.T. -0.005 min
 Lab File: BG055199.D
 Acq: 17 Oct 2022 19:28

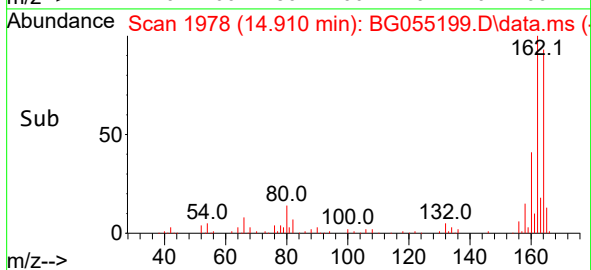
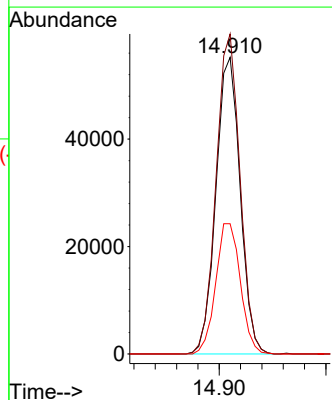
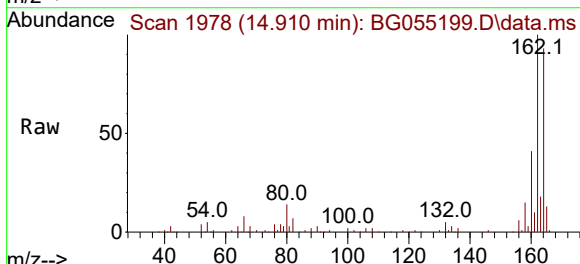
Instrument :
 BNA_G
 ClientSampleId :
 WC-C2(0-6)

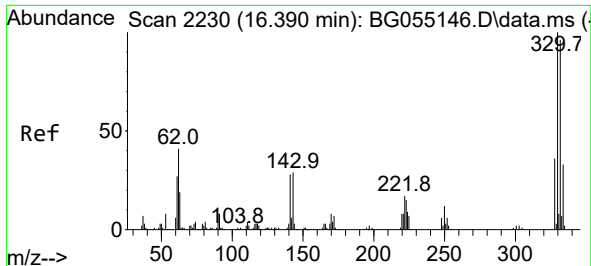
Tgt Ion: 82 Resp: 187562
 Ion Ratio Lower Upper
 82 100
 128 42.5 33.5 50.3
 54 53.1 44.7 67.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.910 min Scan# 1978
 Delta R.T. -0.005 min
 Lab File: BG055199.D
 Acq: 17 Oct 2022 19:28

Tgt Ion: 164 Resp: 86916
 Ion Ratio Lower Upper
 164 100
 162 107.9 83.3 124.9
 160 43.9 35.3 52.9

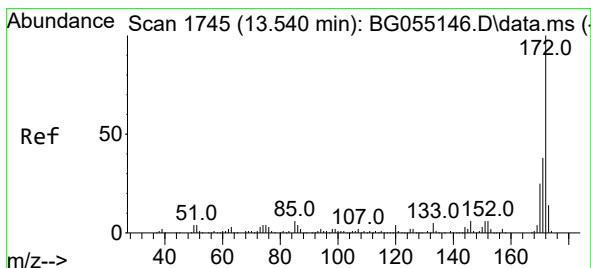
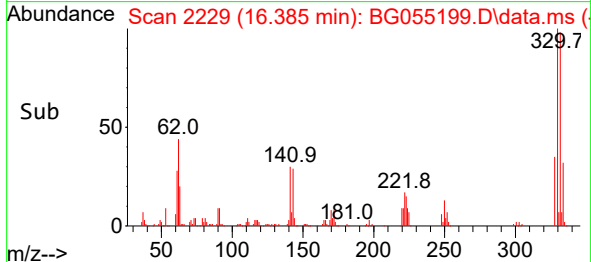
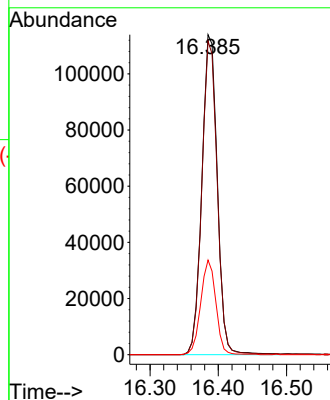
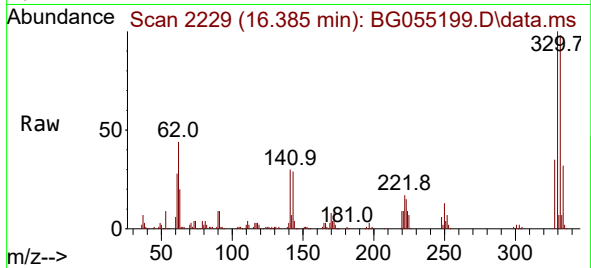




#42
2,4,6-Tribromophenol
Concen: 143.586 ng
RT: 16.385 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

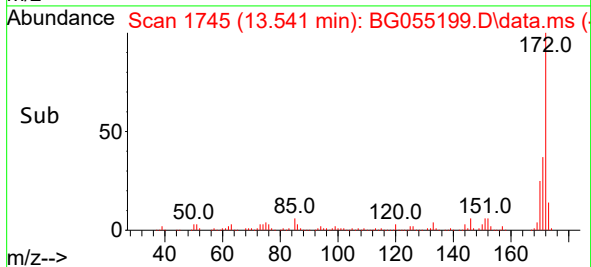
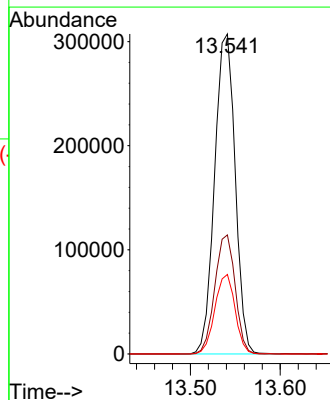
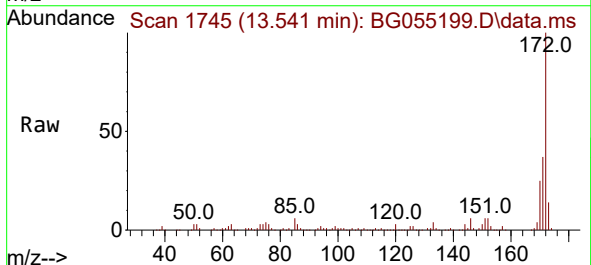
Instrument :
BNA_G
ClientSampleId :
WC-C2(0-6)

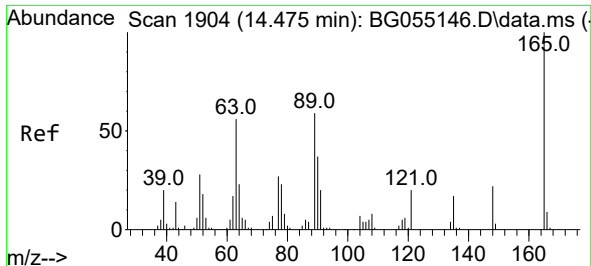
Tgt Ion:330 Resp: 179322
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.4
141 29.0 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 91.816 ng
RT: 13.541 min Scan# 1745
Delta R.T. 0.001 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

Tgt Ion:172 Resp: 488524
Ion Ratio Lower Upper
172 100
171 37.2 30.1 45.1
170 24.8 19.8 29.6

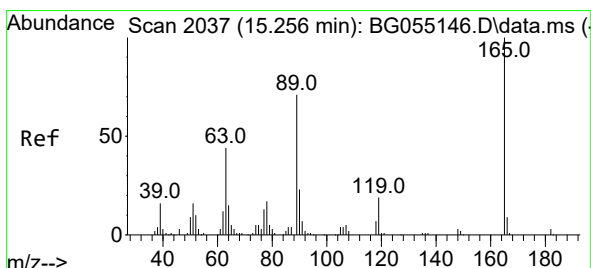
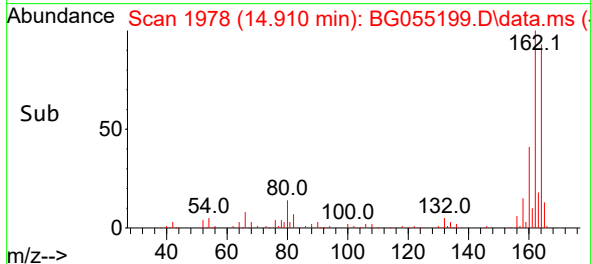
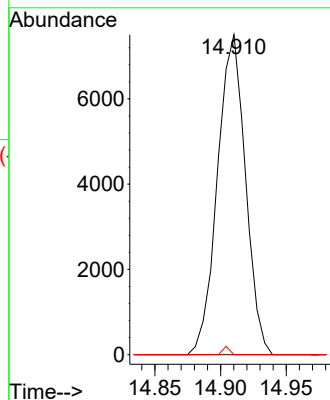
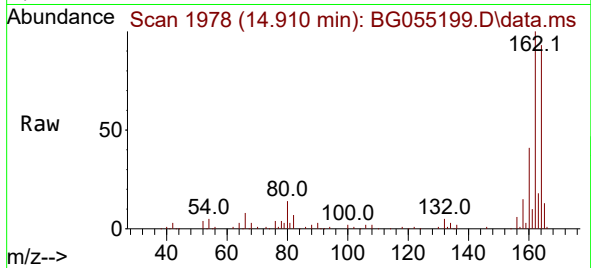




#51
2,6-Dinitrotoluene
Concen: 7.743 ng
RT: 14.910 min Scan# 1904
Delta R.T. 0.436 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

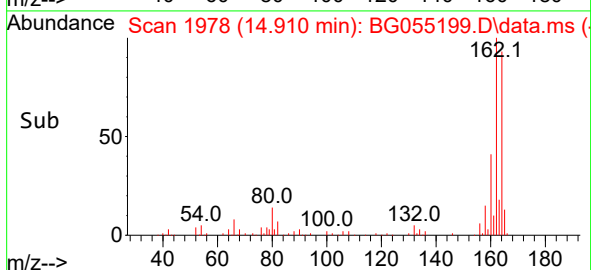
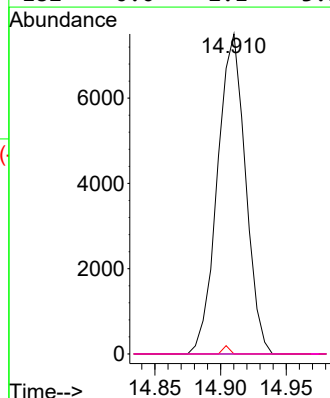
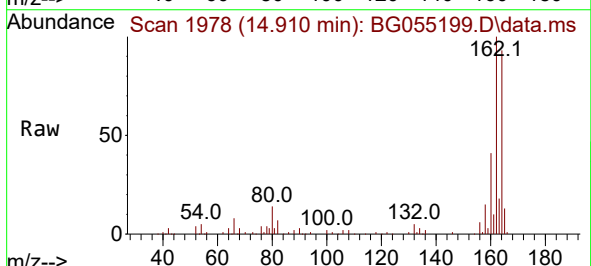
Instrument :
BNA_G
ClientSampleId :
WC-C2(0-6)

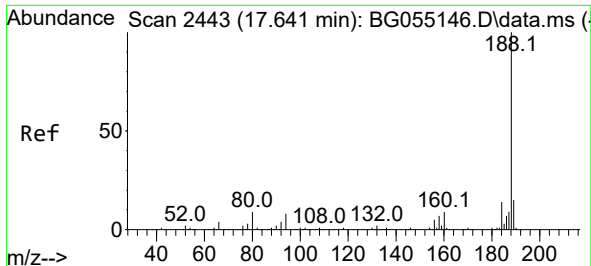
Tgt Ion:165 Resp: 11133
Ion Ratio Lower Upper
165 100
63 0.0 46.6 70.0#
89 0.0 47.6 71.4#



#57
2,4-Dinitrotoluene
Concen: 5.287 ng
RT: 14.910 min Scan# 1978
Delta R.T. -0.346 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

Tgt Ion:165 Resp: 11133
Ion Ratio Lower Upper
165 100
63 0.0 35.6 53.4#
89 0.0 56.4 84.6#
182 0.0 2.1 3.1#

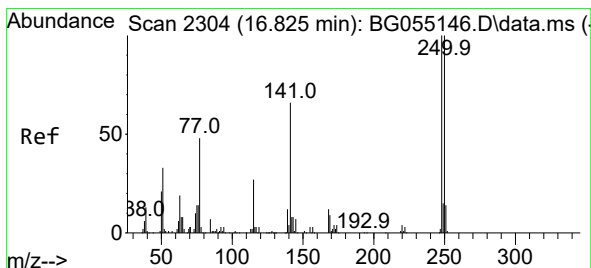
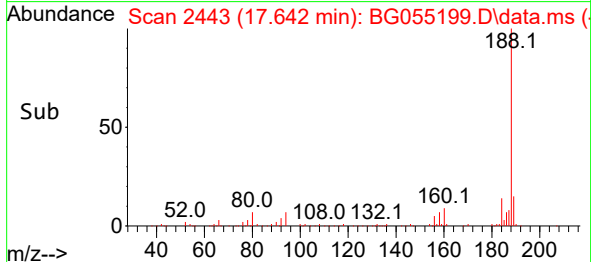
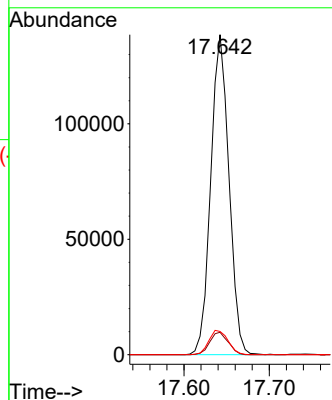
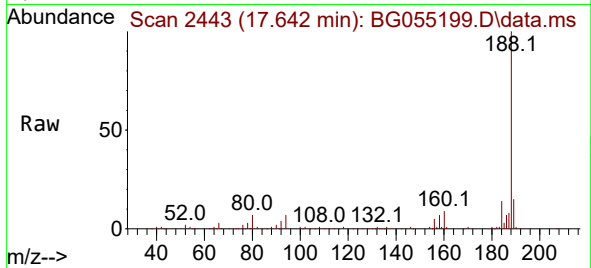




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.642 min Scan# 2443
Delta R.T. 0.001 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

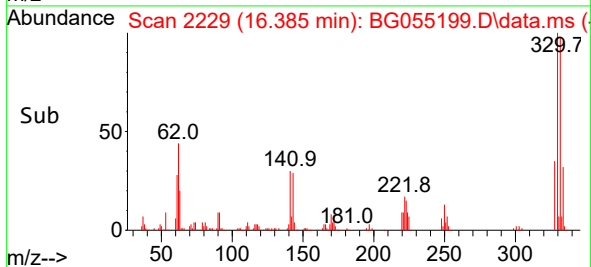
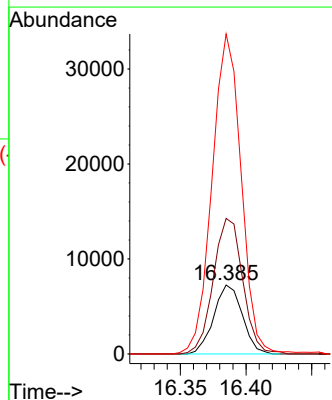
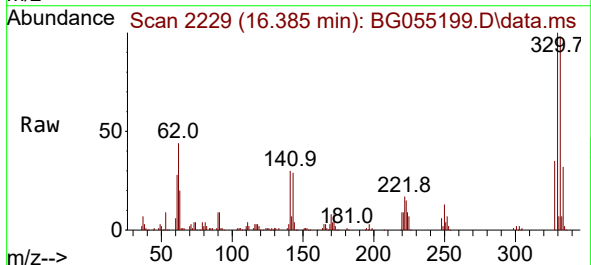
Instrument :
BNA_G
ClientSampleId :
WC-C2(0-6)

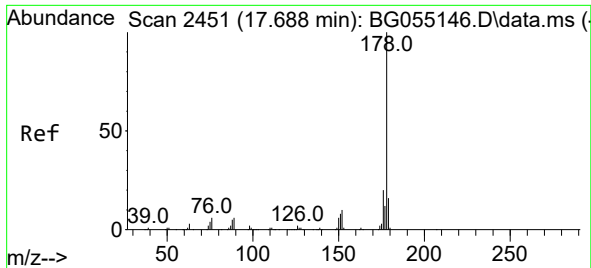
Tgt Ion:188 Resp: 205341
Ion Ratio Lower Upper
188 100
94 7.0 6.2 9.2
80 7.3 7.0 10.6



#67
4-Bromophenyl-phenylether
Concen: 4.900 ng
RT: 16.385 min Scan# 2229
Delta R.T. -0.440 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

Tgt Ion:248 Resp: 10969
Ion Ratio Lower Upper
248 100
250 196.5 80.1 120.1#
141 464.1 53.1 79.7#

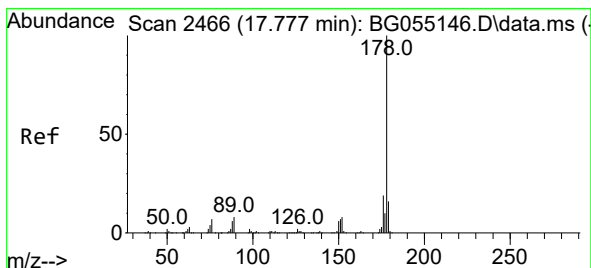
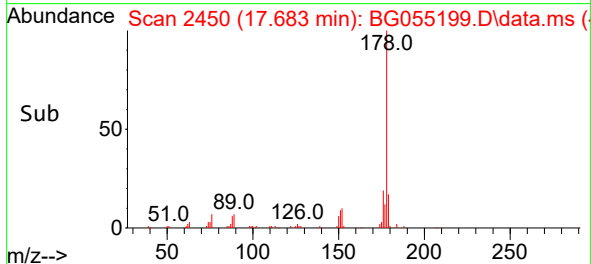
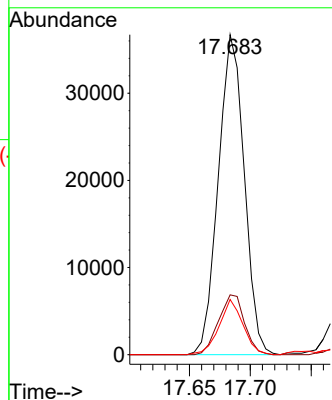
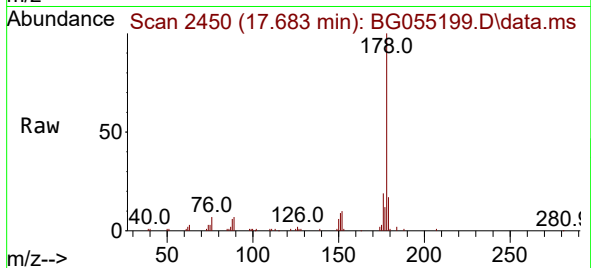




#71
Phenanthrene
Concen: 5.113 ng
RT: 17.683 min Scan# 2450
Delta R.T. -0.005 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

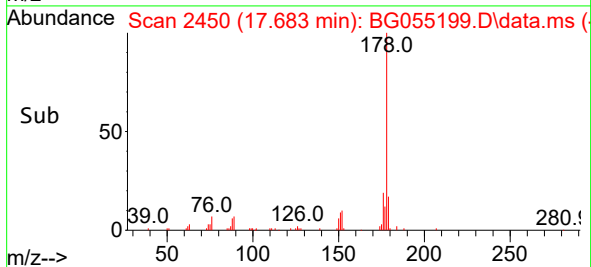
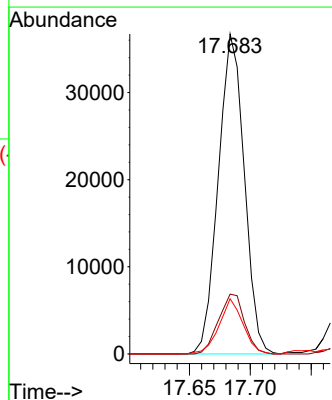
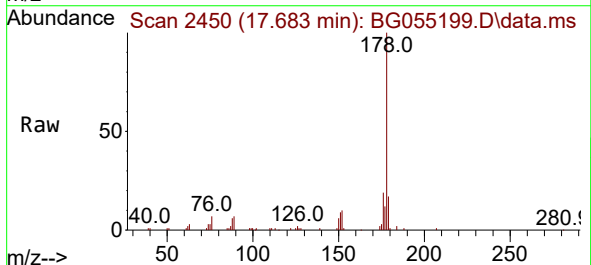
Instrument :
BNA_G
ClientSampleId :
WC-C2(0-6)

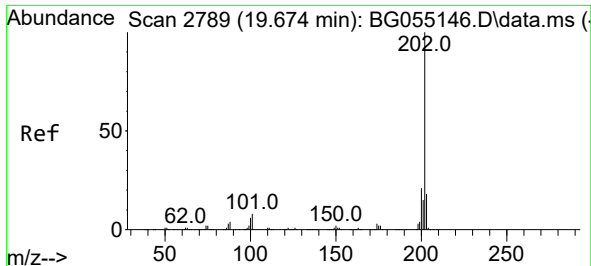
Tgt Ion:178 Resp: 54461
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 17.2 12.7 19.1



#72
Anthracene
Concen: 5.232 ng
RT: 17.683 min Scan# 2450
Delta R.T. -0.093 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

Tgt Ion:178 Resp: 54461
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 17.2 13.0 19.4

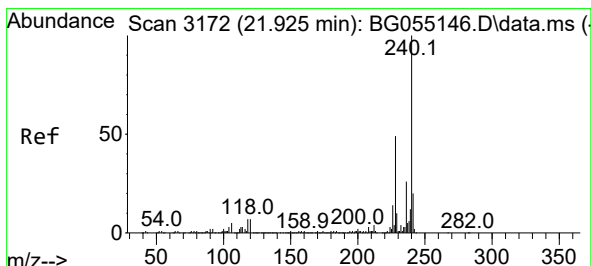
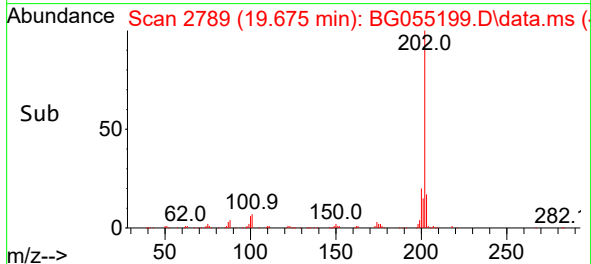
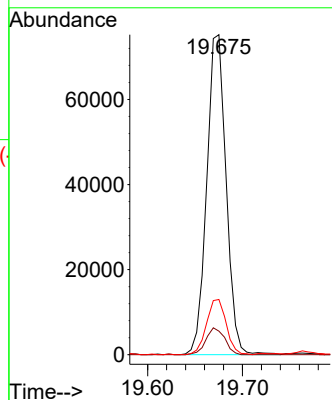
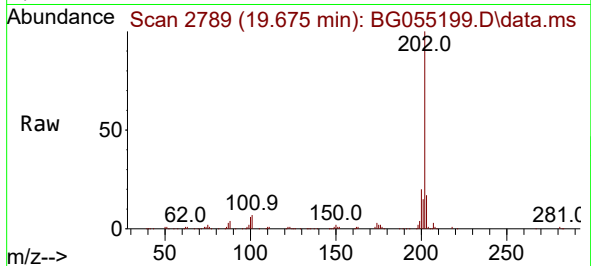




#75
Fluoranthene
Concen: 8.007 ng
RT: 19.675 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

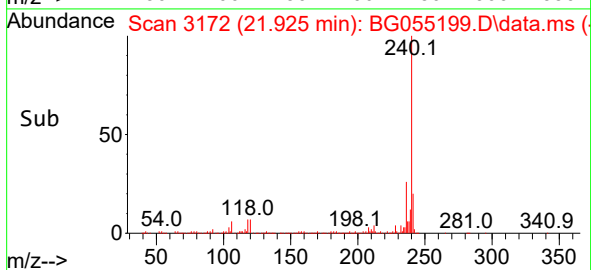
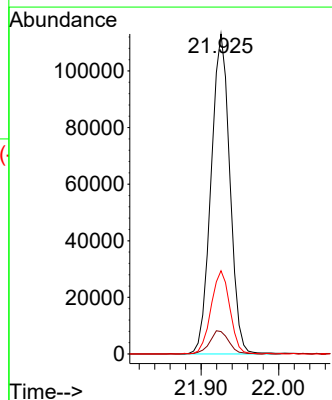
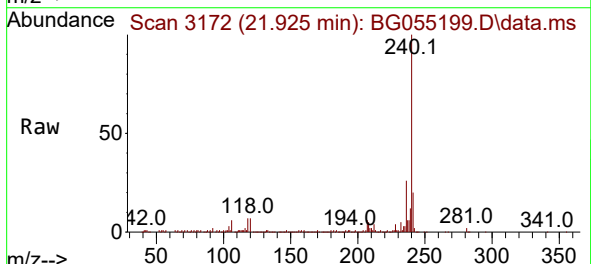
Instrument :
BNA_G
ClientSampleId :
WC-C2(0-6)

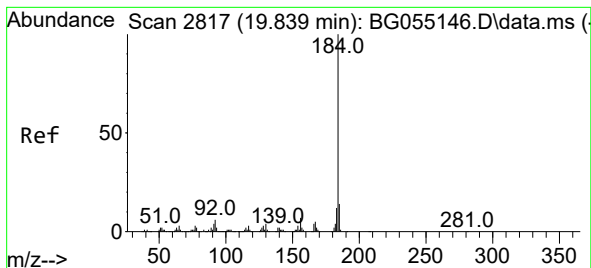
Tgt Ion:202 Resp: 106608
Ion Ratio Lower Upper
202 100
101 7.4 0.0 28.4
203 17.3 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3172
Delta R.T. 0.001 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

Tgt Ion:240 Resp: 190234
Ion Ratio Lower Upper
240 100
120 7.0 5.4 8.0
236 26.0 20.6 31.0





#77

Benzidine

Concen: 2.868 ng

RT: 20.216 min Scan# 2817

Delta R.T. 0.377 min

Lab File: BG055199.D

Acq: 17 Oct 2022 19:28

Instrument :

BNA_G

ClientSampleId :

WC-C2(0-6)

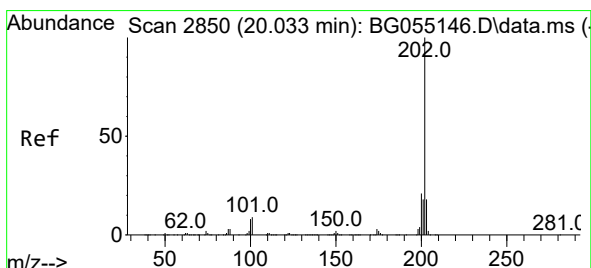
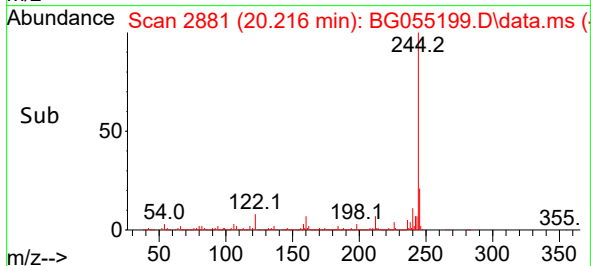
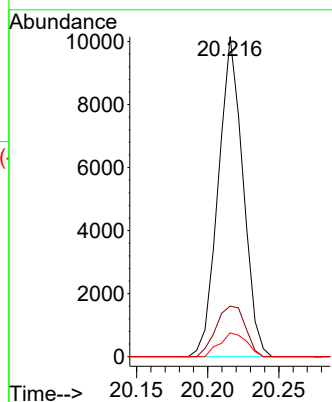
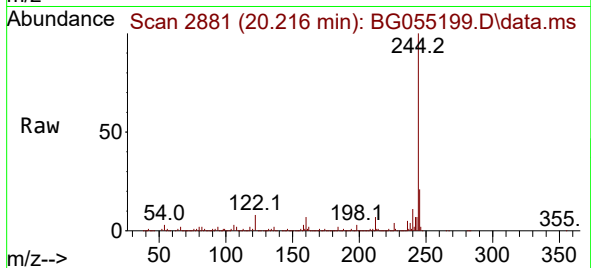
Tgt Ion:184 Resp: 12237

Ion Ratio Lower Upper

184 100

185 15.8 11.5 17.3

183 7.5 9.4 14.2#



#78

Pyrene

Concen: 7.444 ng

RT: 20.034 min Scan# 2850

Delta R.T. 0.001 min

Lab File: BG055199.D

Acq: 17 Oct 2022 19:28

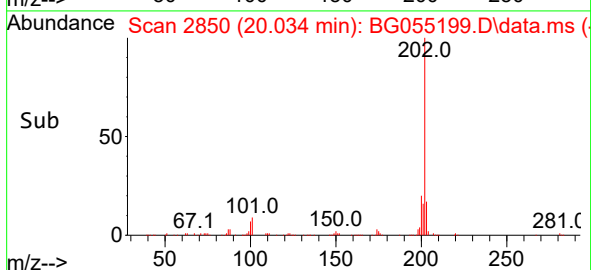
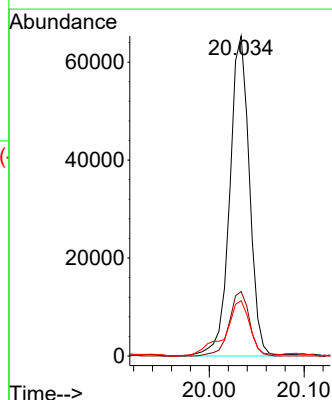
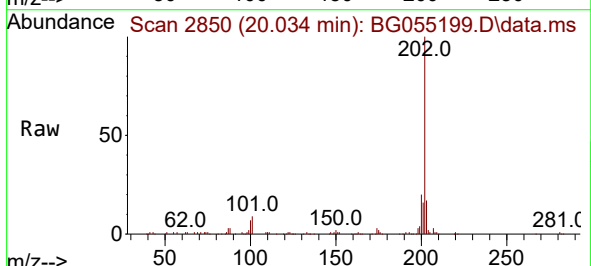
Tgt Ion:202 Resp: 94403

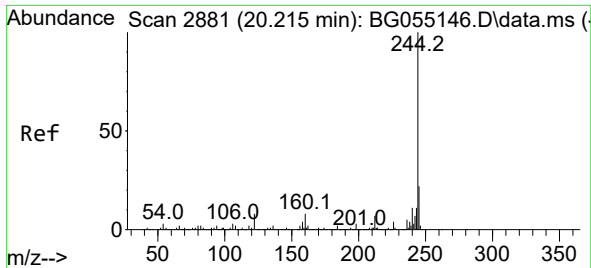
Ion Ratio Lower Upper

202 100

200 20.1 16.9 25.3

203 17.2 14.4 21.6

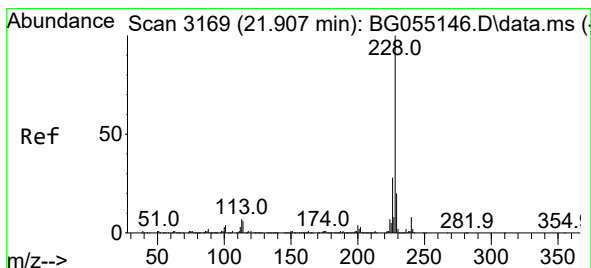
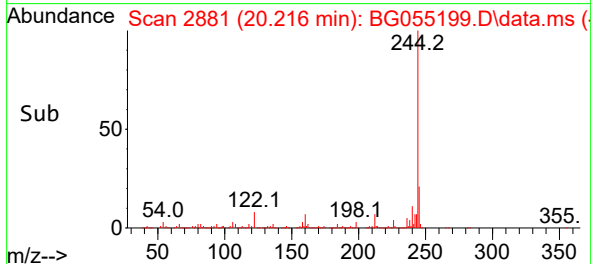
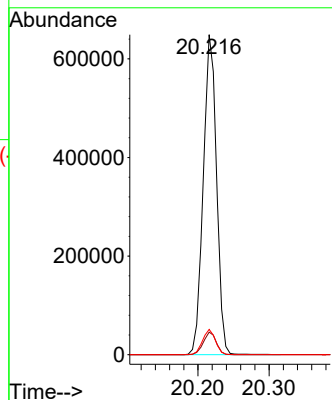
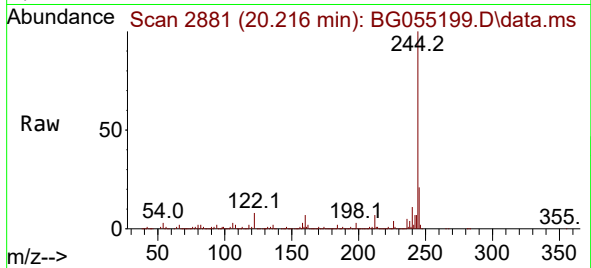




#79
 Terphenyl-d14
 Concen: 89.492 ng
 RT: 20.216 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG055199.D
 Acq: 17 Oct 2022 19:28

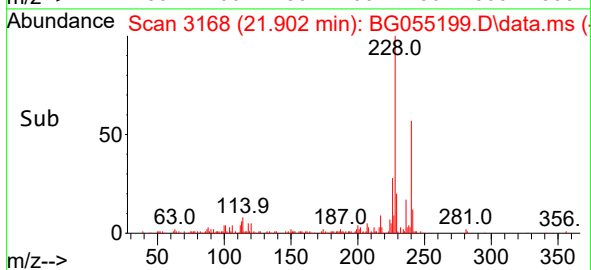
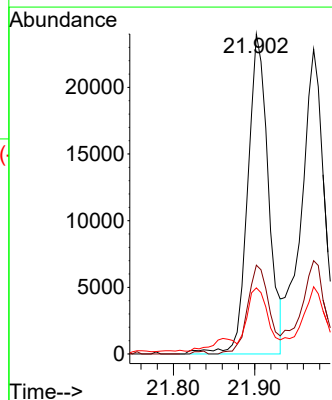
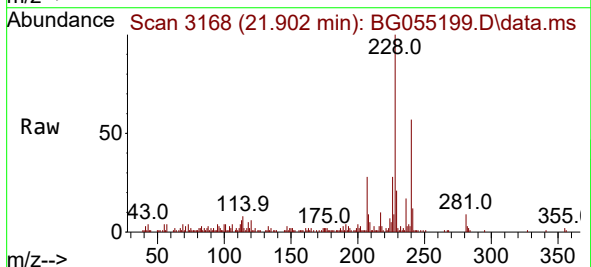
Instrument :
 BNA_G
 ClientSampleId :
 WC-C2(0-6)

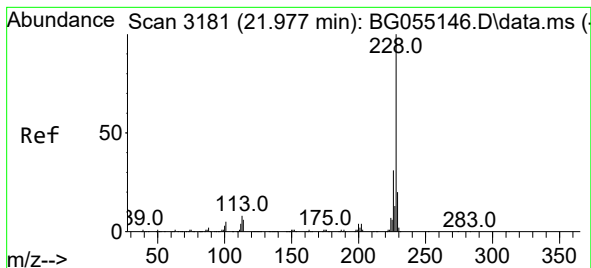
Tgt Ion:244 Resp: 845297
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 7.9 6.6 10.0



#81
 Benzo(a)anthracene
 Concen: 3.490 ng
 RT: 21.902 min Scan# 3168
 Delta R.T. -0.005 min
 Lab File: BG055199.D
 Acq: 17 Oct 2022 19:28

Tgt Ion:228 Resp: 42484
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.6 34.0
 229 20.7 16.2 24.4





#83

Chrysene

Concen: 3.662 ng

RT: 21.972 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG055199.D

Acq: 17 Oct 2022 19:28

Instrument :

BNA_G

ClientSampleId :

WC-C2(0-6)

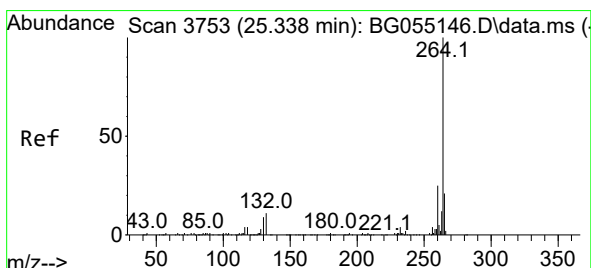
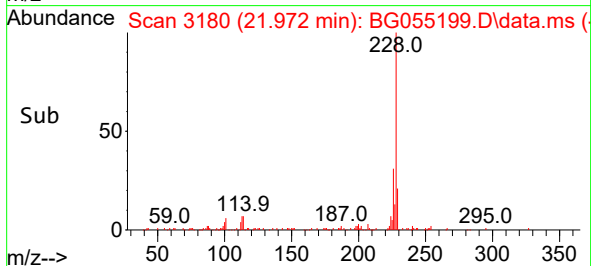
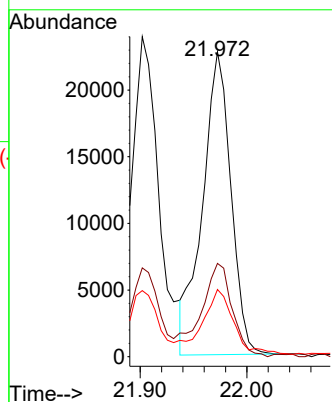
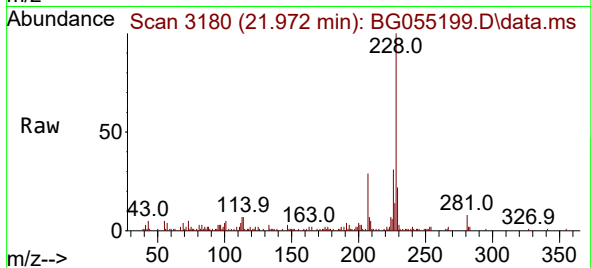
Tgt Ion:228 Resp: 42041

Ion Ratio Lower Upper

228 100

226 30.6 25.1 37.7

229 22.1 16.2 24.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.351 min Scan# 3755

Delta R.T. 0.013 min

Lab File: BG055199.D

Acq: 17 Oct 2022 19:28

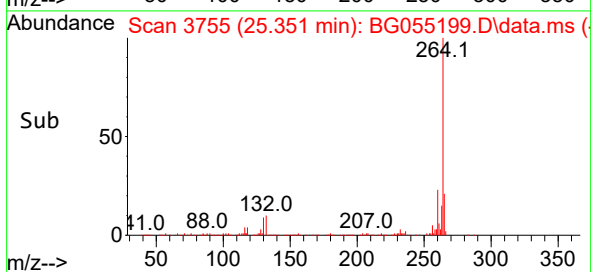
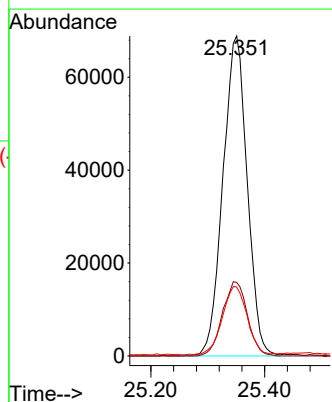
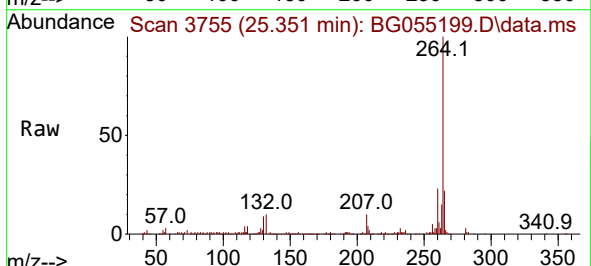
Tgt Ion:264 Resp: 203775

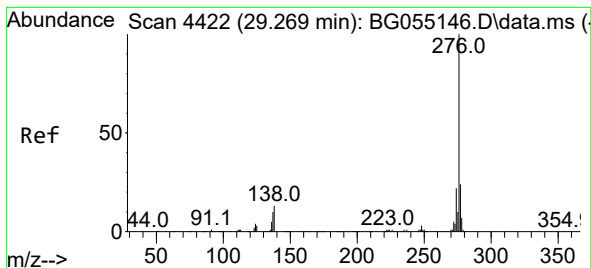
Ion Ratio Lower Upper

264 100

260 23.0 20.1 30.1

265 21.6 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.074 ng

RT: 29.276 min Scan# 4422

Delta R.T. 0.007 min

Lab File: BG055199.D

Acq: 17 Oct 2022 19:28

Instrument :

BNA_G

ClientSampleId :

WC-C2(0-6)

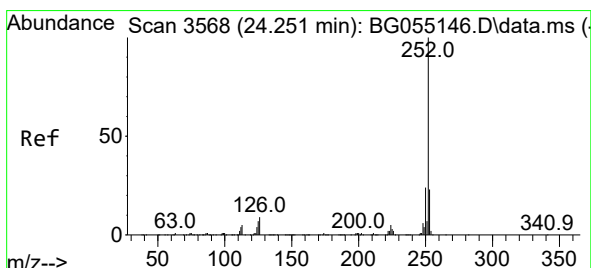
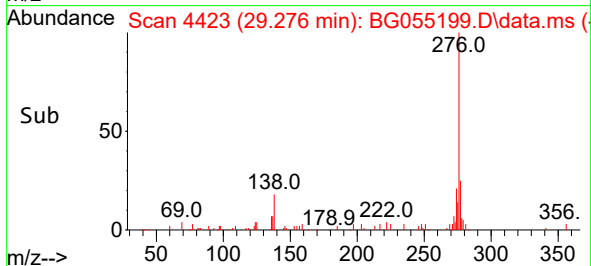
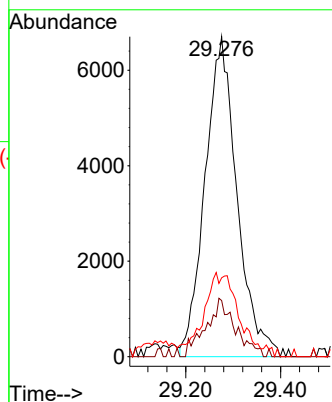
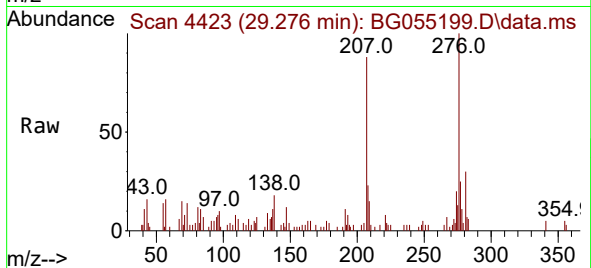
Tgt Ion:276 Resp: 31307

Ion Ratio Lower Upper

276 100

138 16.8 13.4 20.0

277 9.7 20.5 30.7#



#88

Benzo(b)fluoranthene

Concen: 4.640 ng

RT: 24.252 min Scan# 3568

Delta R.T. 0.001 min

Lab File: BG055199.D

Acq: 17 Oct 2022 19:28

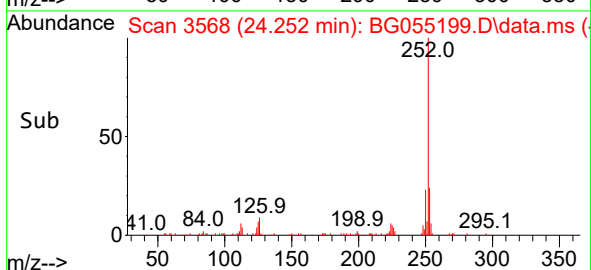
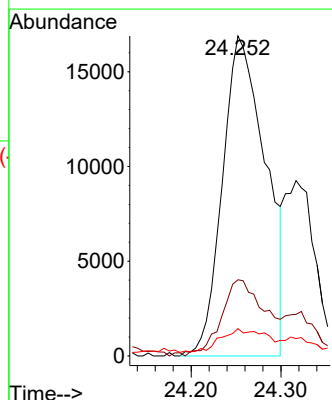
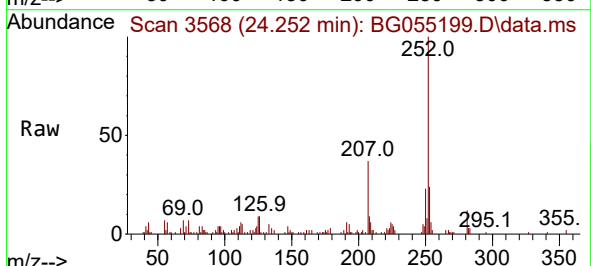
Tgt Ion:252 Resp: 56354

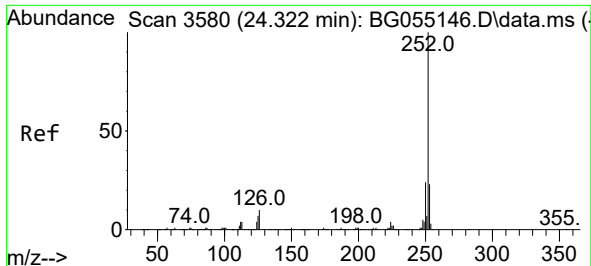
Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.2

125 8.6 5.7 8.5#

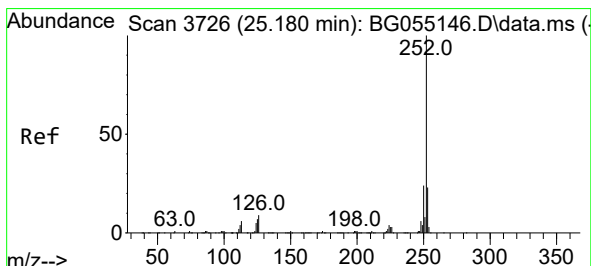
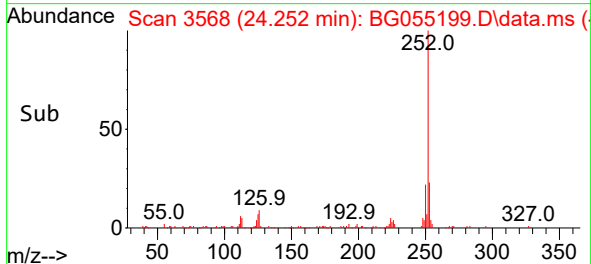
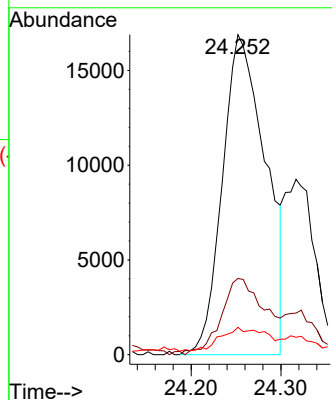
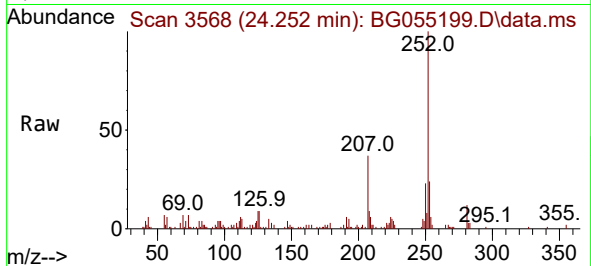




#89
Benzo(k)fluoranthene
Concen: 4.618 ng
RT: 24.252 min Scan# 31
Delta R.T. -0.070 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

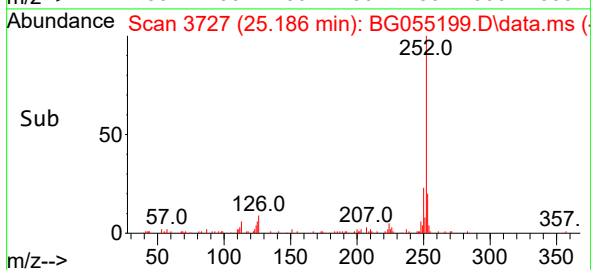
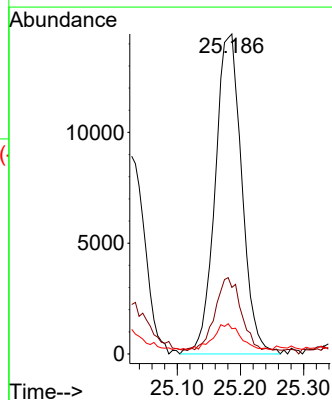
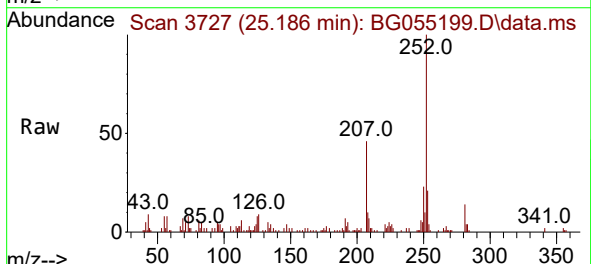
Instrument :
BNA_G
ClientSampleId :
WC-C2(0-6)

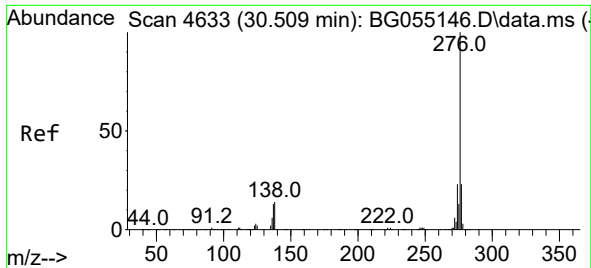
Tgt Ion:252 Resp: 56354
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 8.6 5.8 8.6



#90
Benzo(a)pyrene
Concen: 4.069 ng
RT: 25.186 min Scan# 3727
Delta R.T. 0.007 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

Tgt Ion:252 Resp: 42262
Ion Ratio Lower Upper
252 100
253 20.8 18.2 27.2
125 7.9 5.8 8.8





#92
 Benzo(g,h,i)perylene
 Concen: 2.409 ng
 RT: 30.504 min Scan# 4
 Delta R.T. -0.005 min
 Lab File: BG055199.D
 Acq: 17 Oct 2022 19:28

Instrument :
 BNA_G
 ClientSampleId :
 WC-C2(0-6)

Tgt Ion:276	Resp:	29478
Ion Ratio	Lower	Upper
276	100	
277	24.8	18.4 27.6
138	16.4	11.2 16.8

