

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072722\
 Data File : BG054423.D
 Acq On : 27 Jul 2022 19:53
 Operator : CG/JU
 Sample : N3906-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

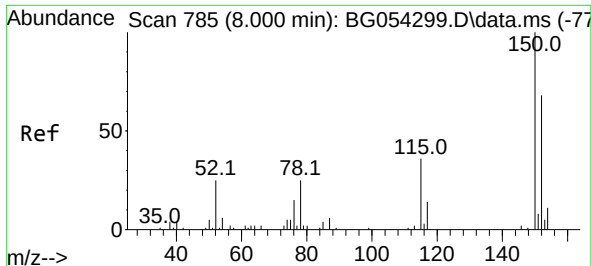
Instrument :
 BNA_G
 ClientSampleId :
 NB-7-7-26-22

Quant Time: Jul 28 04:34:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.989	152	21154	20.000	ng	# 0.00
21) Naphthalene-d8	10.803	136	77039	20.000	ng	# 0.00
39) Acenaphthene-d10	14.628	164	55507	20.000	ng	0.00
64) Phenanthrene-d10	17.372	188	124458	20.000	ng	# 0.00
76) Chrysene-d12	21.643	240	142178	20.000	ng	# 0.00
86) Perylene-d12	24.857	264	112251	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.574	112	109148	107.728	ng	0.01
7) Phenol-d6	7.178	99	140870	101.469	ng	0.00
23) Nitrobenzene-d5	9.158	82	95574	67.559	ng	0.00
42) 2,4,6-Tribromophenol	16.120	330	116243	99.742	ng	0.00
45) 2-Fluorobiphenyl	13.247	172	281421	71.522	ng	0.00
79) Terphenyl-d14	19.986	244	496278	69.245	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.112	88	997	2.473	ng	# 1
9) Benzaldehyde	7.178	77	144	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.152	70	13869	14.960	ng	# 80
51) 2,6-Dinitrotoluene	14.628	165	7919	8.327	ng	# 16
56) 4-Nitrophenol	15.021	139	2238	4.218	ng	# 1
57) 2,4-Dinitrotoluene	14.628	165	7919	5.809	ng	# 21
67) 4-Bromophenyl-phenylether	16.120	248	7173	4.104	ng	# 1
70) Pentachlorophenol	16.849	266	54	3.841	ng	# 16
71) Phenanthrene	17.419	178	265219	42.792	ng	97
72) Anthracene	17.507	178	74051	12.175	ng	98
73) Carbazole	17.777	167	16884	3.372	ng	94
75) Fluoranthene	19.434	202	986256	116.733	ng	93
78) Pyrene	19.798	202	887549	108.794	ng	95
81) Benzo(a)anthracene	21.625	228	686075	76.016	ng	96
83) Chrysene	21.696	228	583386	68.417	ng	94
87) Indeno(1,2,3-cd)pyrene	28.541	276	199085	23.314	ng	# 94
88) Benzo(b)fluoranthene	23.852	252	674273	101.572	ng	# 97
89) Benzo(k)fluoranthene	23.852	252	674273	102.060	ng	# 98
90) Benzo(a)pyrene	24.716	252	519682	91.667	ng	97
91) Dibenzo(a,h)anthracene	28.570	278	46271	6.590	ng	# 84
92) Benzo(g,h,i)perylene	29.692	276	164509	23.737	ng	# 84

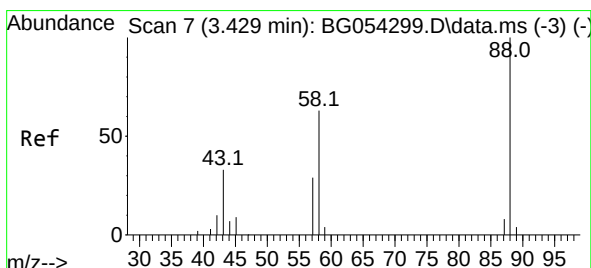
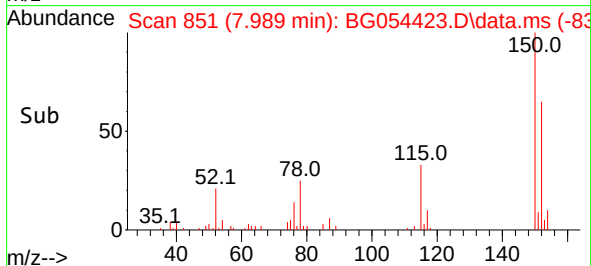
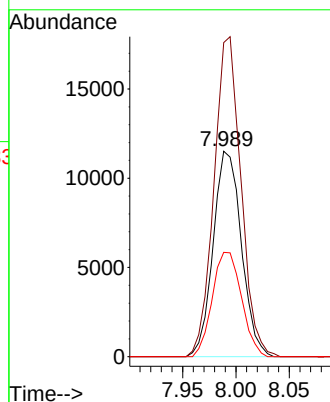
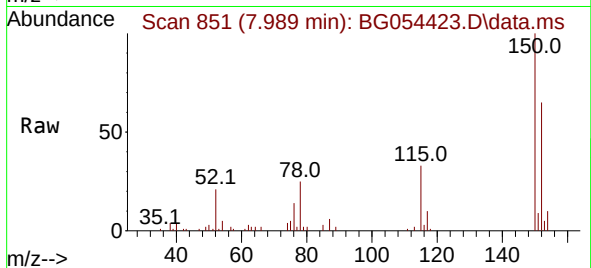
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.989 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: BG054423.D
 Acq: 27 Jul 2022 19:53

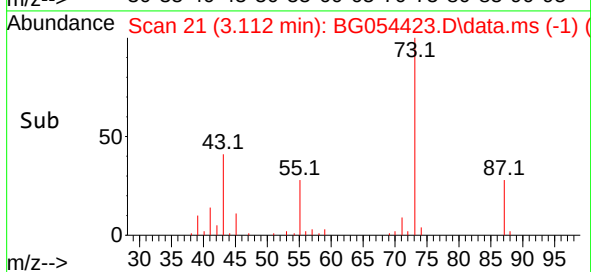
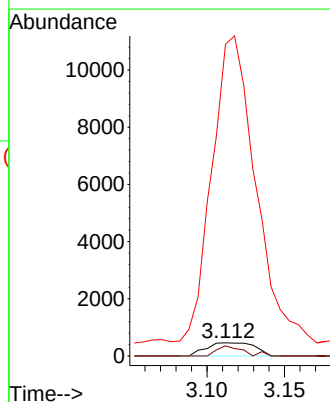
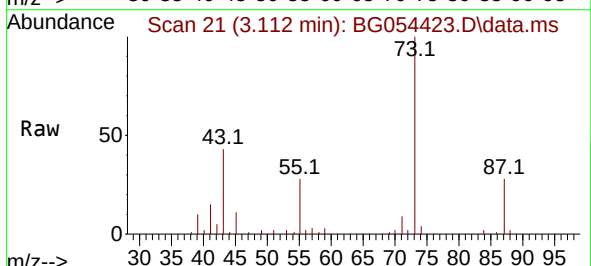
Instrument :
 BNA_G
 ClientSampleId :
 NB-7-7-26-22

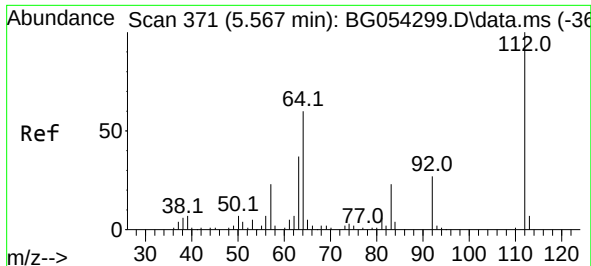
Tgt Ion:152 Resp: 21154
 Ion Ratio Lower Upper
 152 100
 150 152.8 131.6 197.4
 115 50.8 50.9 76.3#



#2
 1,4-Dioxane
 Concen: 2.473 ng
 RT: 3.112 min Scan# 21
 Delta R.T. -0.305 min
 Lab File: BG054423.D
 Acq: 27 Jul 2022 19:53

Tgt Ion: 88 Resp: 997
 Ion Ratio Lower Upper
 88 100
 58 42.1 59.2 88.8#
 43 2270.4 24.3 36.5#

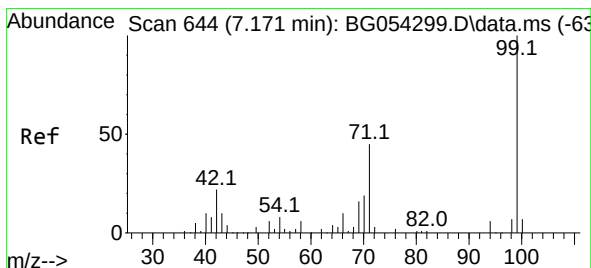
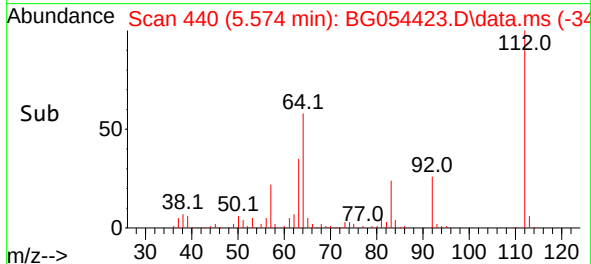
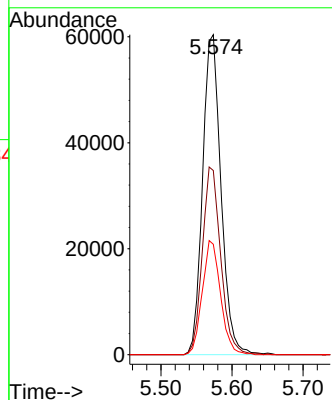
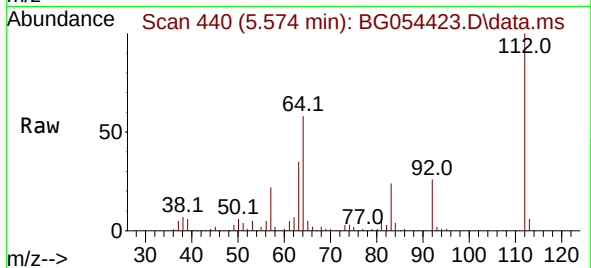




#5
2-Fluorophenol
Concen: 107.728 ng
RT: 5.574 min Scan# 41
Delta R.T. 0.012 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

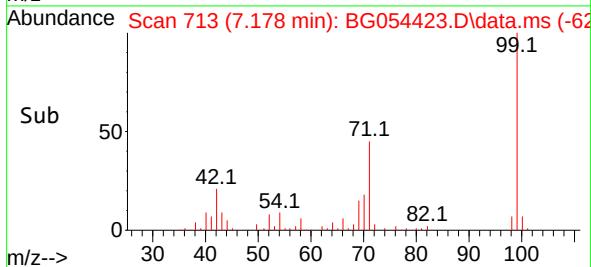
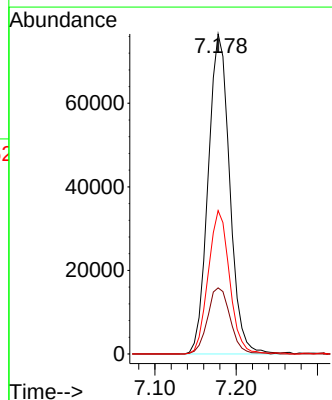
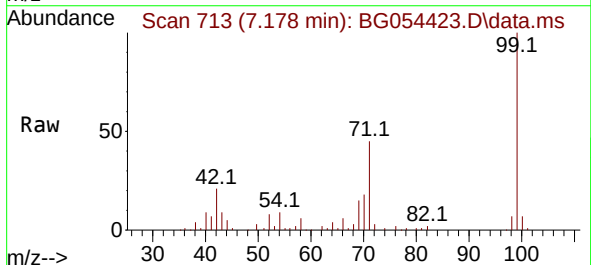
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22

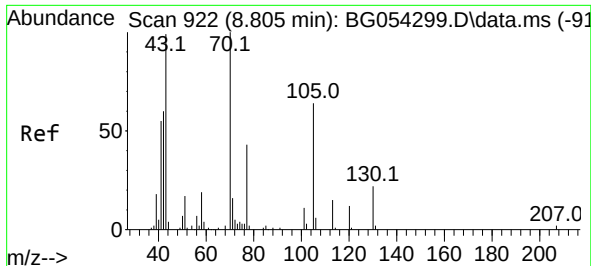
Tgt Ion:112 Resp: 109148
Ion Ratio Lower Upper
112 100
64 57.6 55.1 82.7
63 34.5 30.4 45.6



#7
Phenol-d6
Concen: 101.469 ng
RT: 7.178 min Scan# 713
Delta R.T. 0.006 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

Tgt Ion: 99 Resp: 140870
Ion Ratio Lower Upper
99 100
42 20.6 17.0 25.6
71 44.8 33.8 50.8





#19

n-Nitroso-di-n-propylamine

Concen: 14.960 ng

RT: 9.152 min Scan# 1049

Delta R.T. 0.359 min

Lab File: BG054423.D

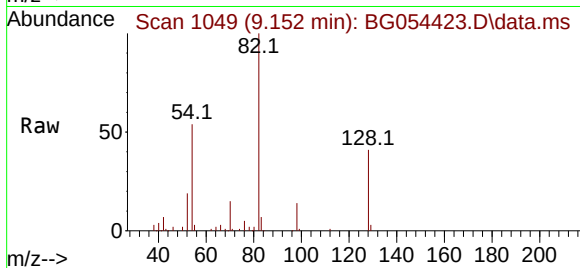
Acq: 27 Jul 2022 19:53

Instrument :

BNA_G

ClientSampleId :

NB-7-7-26-22



Tgt Ion: 70 Resp: 13869

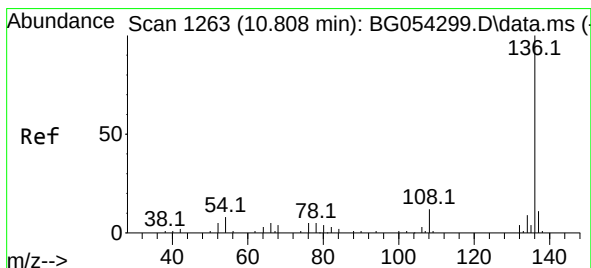
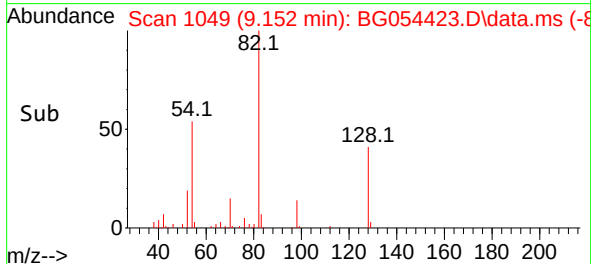
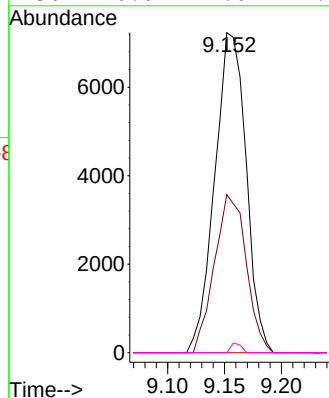
Ion Ratio Lower Upper

70 100

42 49.4 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: 10.803 min Scan# 1330

Delta R.T. 0.006 min

Lab File: BG054423.D

Acq: 27 Jul 2022 19:53

Tgt Ion: 136 Resp: 77039

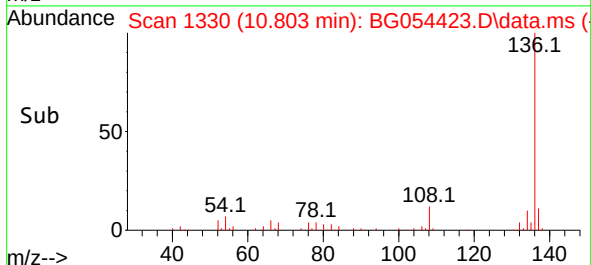
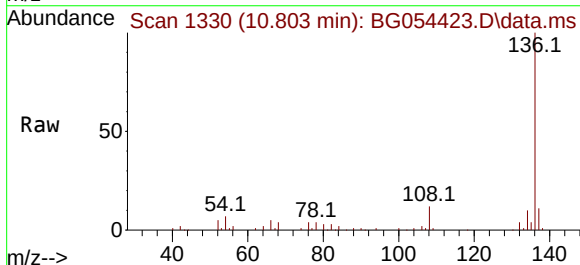
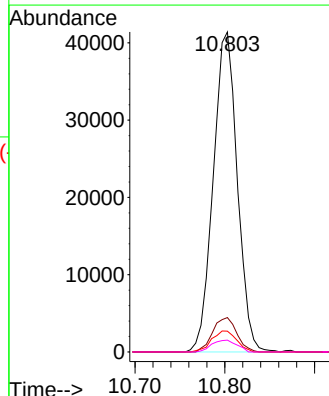
Ion Ratio Lower Upper

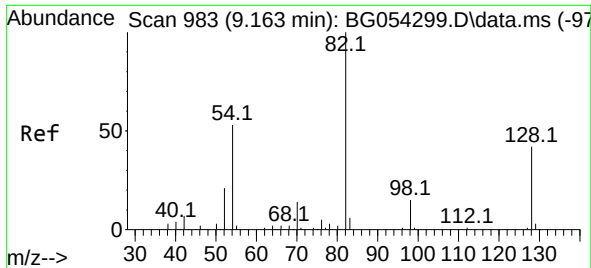
136 100

137 10.7 8.5 12.7

54 6.5 7.4 11.2#

68 3.7 4.9 7.3#

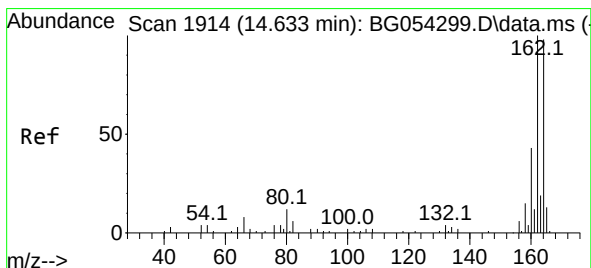
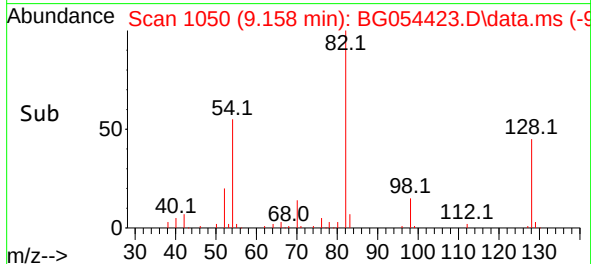
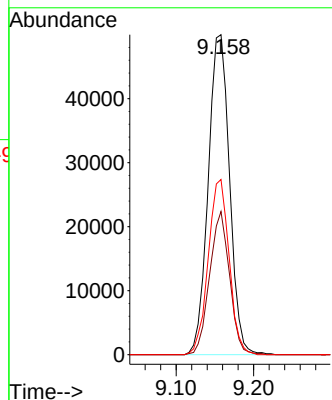
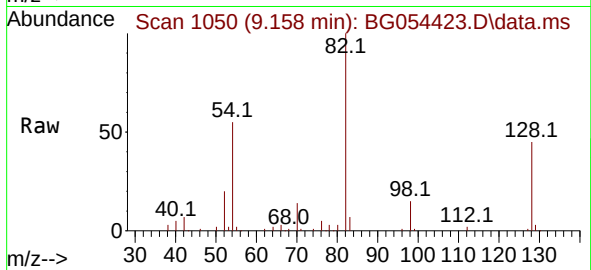




#23
Nitrobenzene-d5
Concen: 67.559 ng
RT: 9.158 min Scan# 1050
Delta R.T. 0.006 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

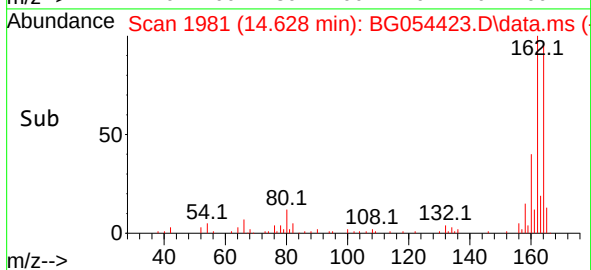
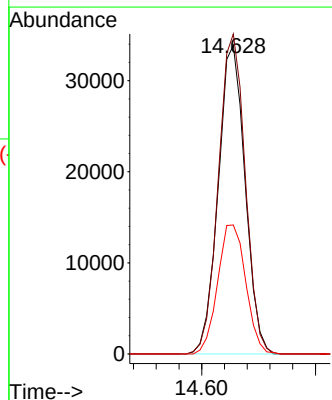
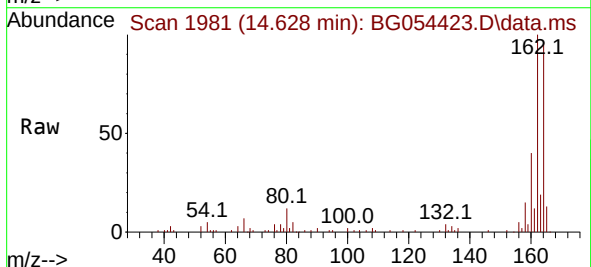
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22

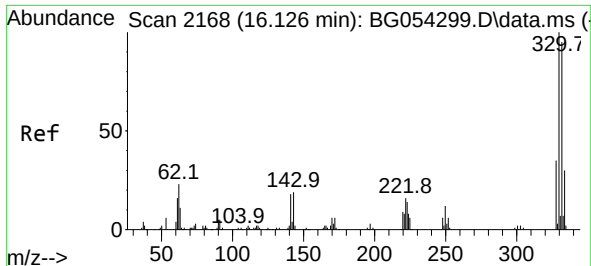
Tgt Ion: 82 Resp: 95574
Ion Ratio Lower Upper
82 100
128 44.8 27.9 41.9#
54 54.7 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.628 min Scan# 1981
Delta R.T. 0.006 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

Tgt Ion:164 Resp: 55507
Ion Ratio Lower Upper
164 100
162 103.7 82.3 123.5
160 41.8 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 99.742 ng

RT: 16.120 min Scan# 21

Delta R.T. 0.006 min

Lab File: BG054423.D

Acq: 27 Jul 2022 19:53

Instrument :

BNA_G

ClientSampleId :

NB-7-7-26-22

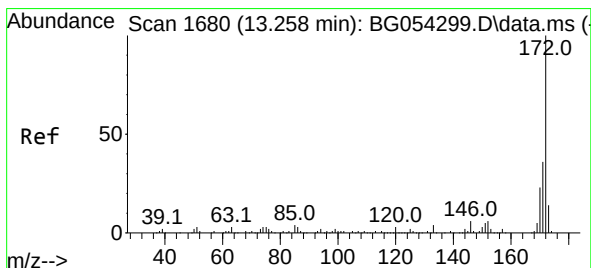
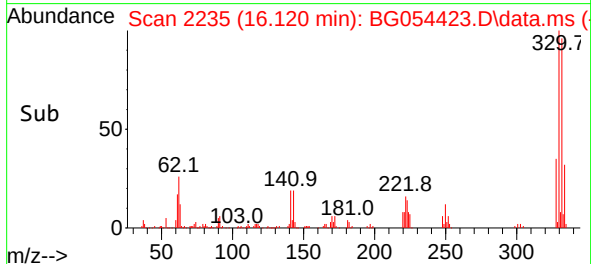
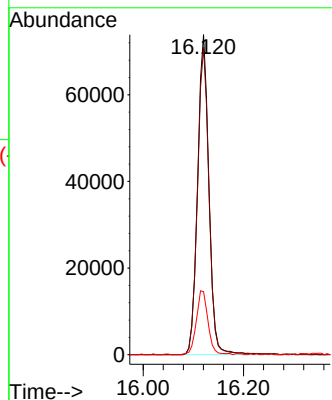
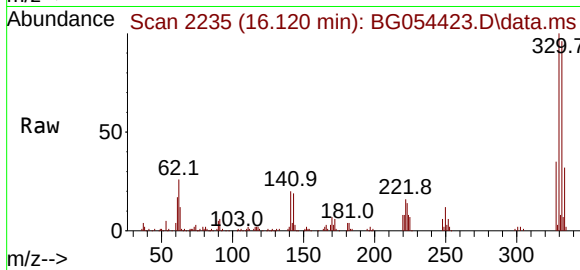
Tgt Ion:330 Resp: 116243

Ion Ratio Lower Upper

330 100

332 96.6 76.0 114.0

141 20.5 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 71.522 ng

RT: 13.247 min Scan# 1746

Delta R.T. 0.000 min

Lab File: BG054423.D

Acq: 27 Jul 2022 19:53

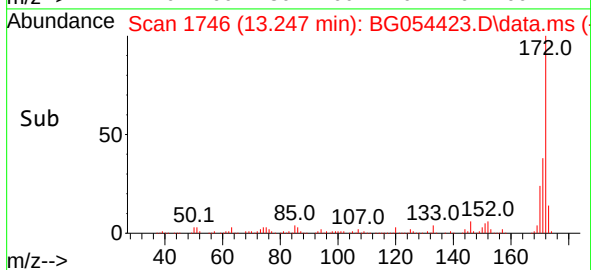
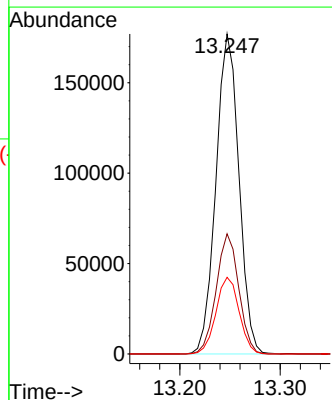
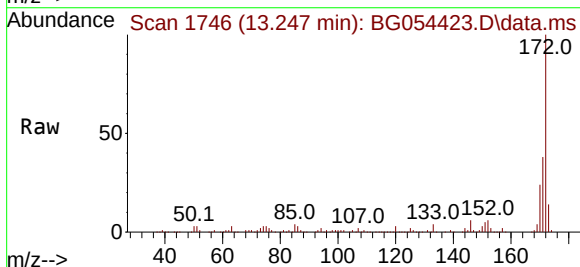
Tgt Ion:172 Resp: 281421

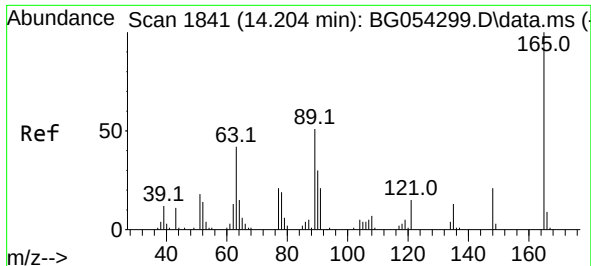
Ion Ratio Lower Upper

172 100

171 37.5 28.5 42.7

170 24.0 18.9 28.3

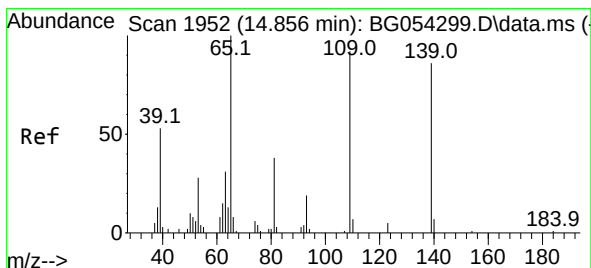
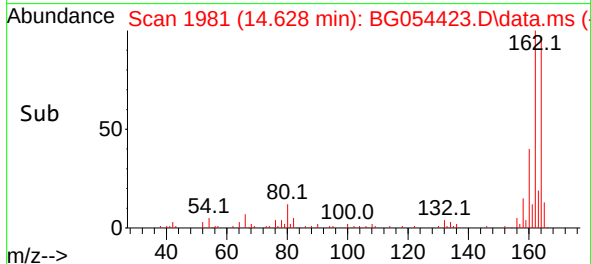
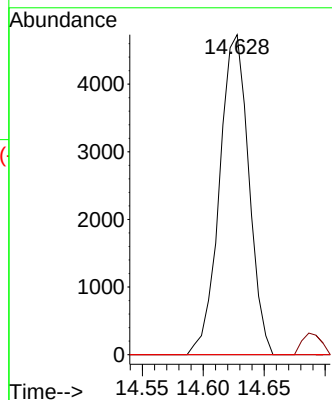
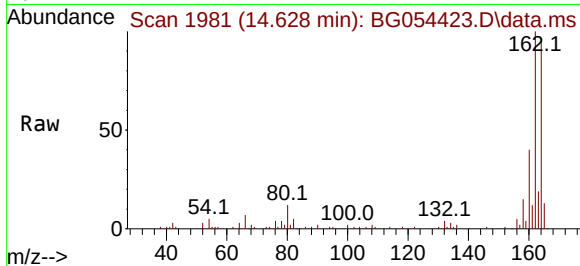




#51
2,6-Dinitrotoluene
Concen: 8.327 ng
RT: 14.628 min Scan# 1981
Delta R.T. 0.429 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

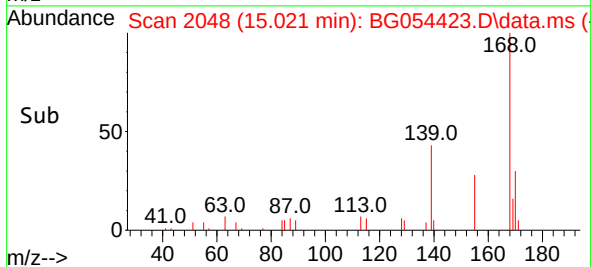
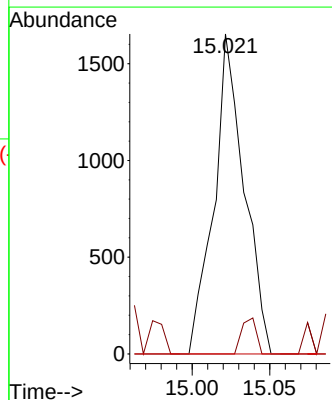
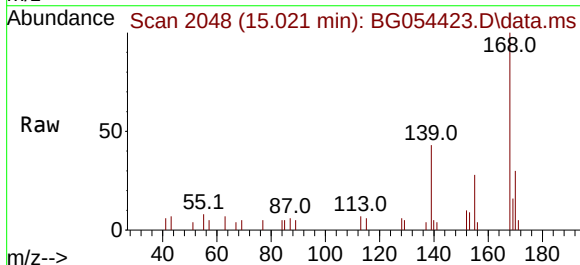
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22

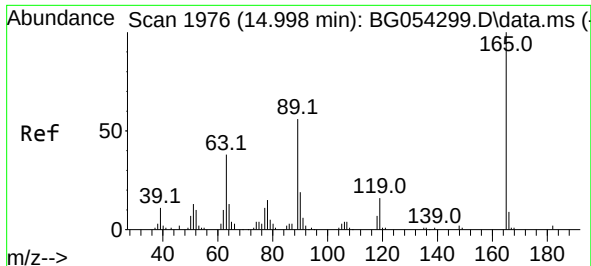
Tgt Ion:165 Resp: 7919
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#56
4-Nitrophenol
Concen: 4.218 ng
RT: 15.021 min Scan# 2048
Delta R.T. 0.141 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

Tgt Ion:139 Resp: 2238
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#

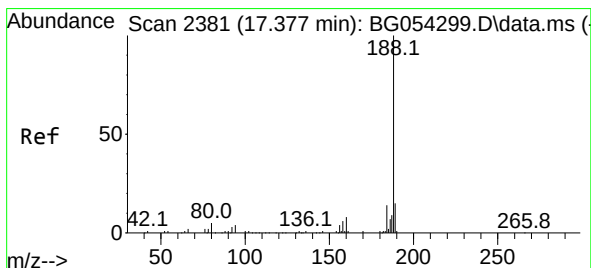
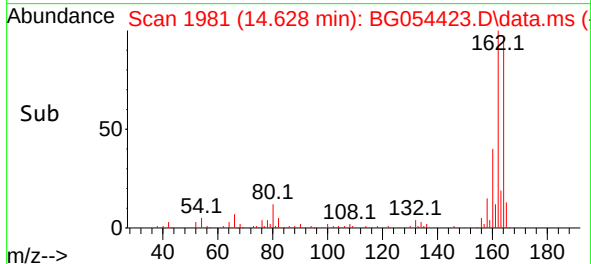
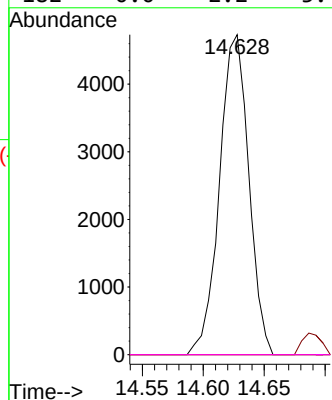
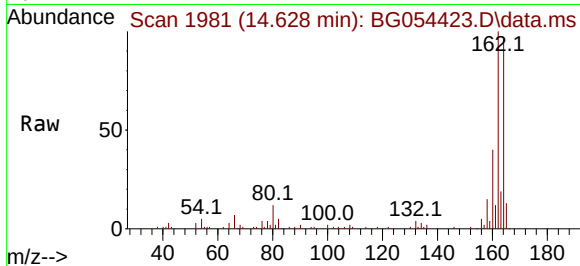




#57
 2,4-Dinitrotoluene
 Concen: 5.809 ng
 RT: 14.628 min Scan# 1976
 Delta R.T. -0.364 min
 Lab File: BG054423.D
 Acq: 27 Jul 2022 19:53

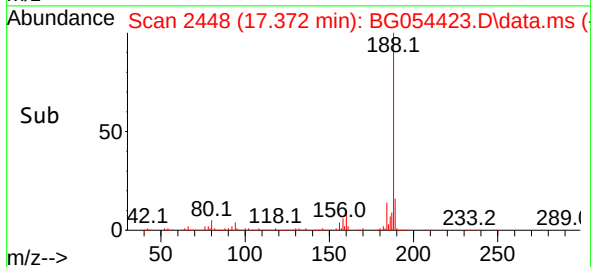
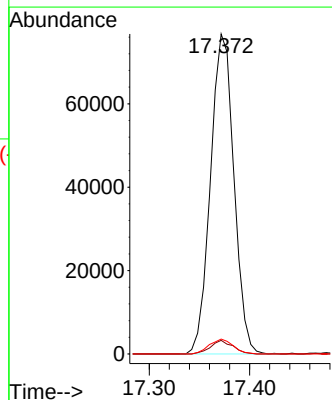
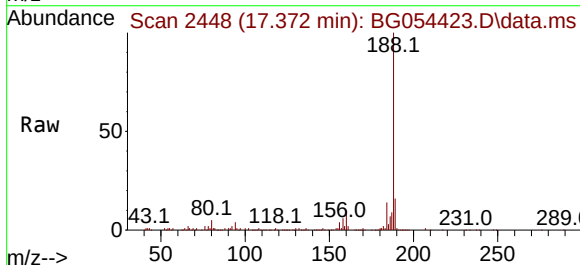
Instrument :
 BNA_G
 ClientSampleId :
 NB-7-7-26-22

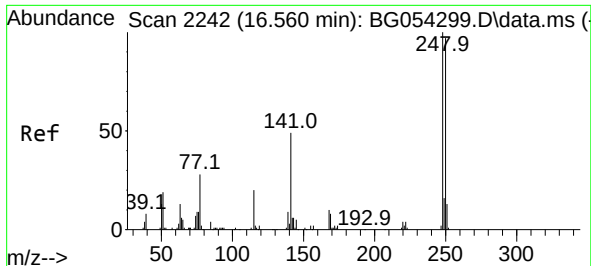
Tgt Ion:165	Resp:	7919
Ion Ratio	Lower	Upper
165	100	
63	0.0	34.6
89	0.0	60.3
182	0.0	2.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.372 min Scan# 2448
 Delta R.T. 0.000 min
 Lab File: BG054423.D
 Acq: 27 Jul 2022 19:53

Tgt Ion:188	Resp:	124458
Ion Ratio	Lower	Upper
188	100	
94	4.3	5.4
80	4.6	6.8

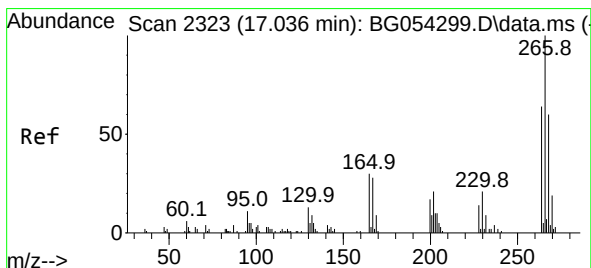
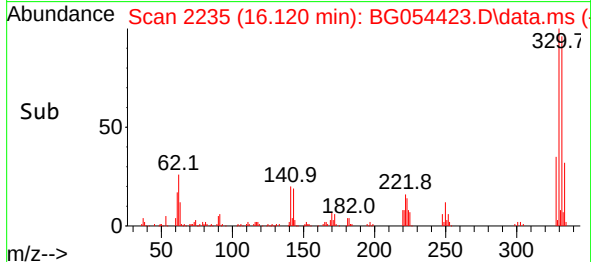
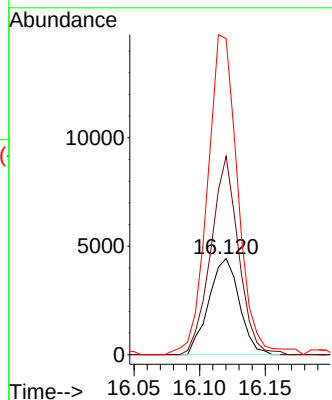
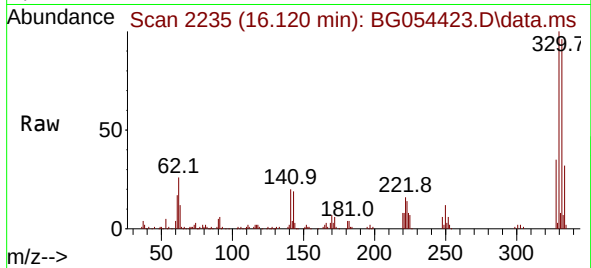




#67
4-Bromophenyl-phenylether
Concen: 4.104 ng
RT: 16.120 min Scan# 21
Delta R.T. -0.435 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

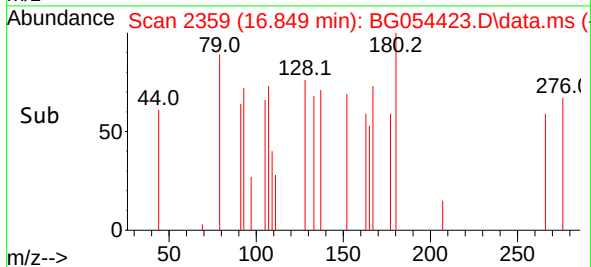
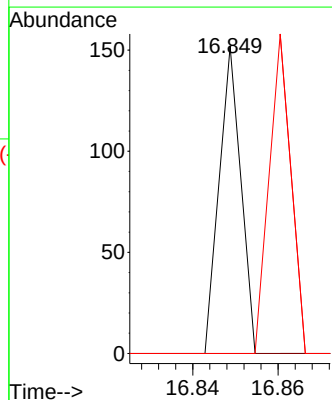
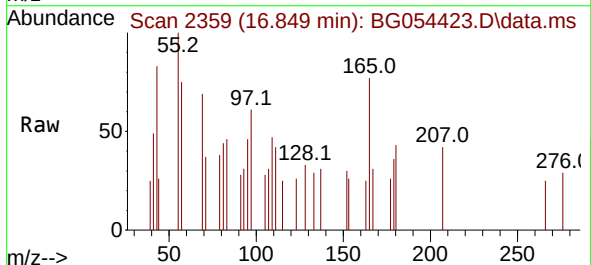
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22

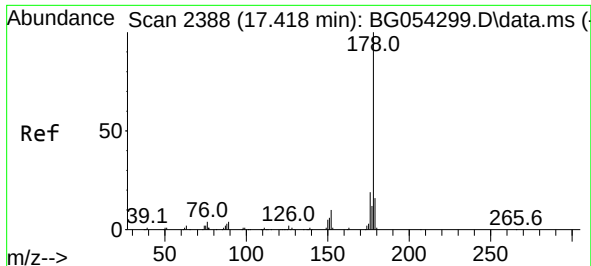
Tgt Ion:248 Resp: 7173
Ion Ratio Lower Upper
248 100
250 206.2 75.2 112.8#
141 328.5 50.0 75.0#



#70
Pentachlorophenol
Concen: 3.841 ng
RT: 16.849 min Scan# 2359
Delta R.T. -0.188 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

Tgt Ion:266 Resp: 54
Ion Ratio Lower Upper
266 100
268 0.0 56.2 84.2#
264 0.0 53.0 79.4#

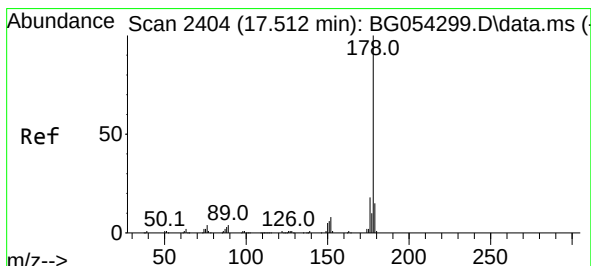
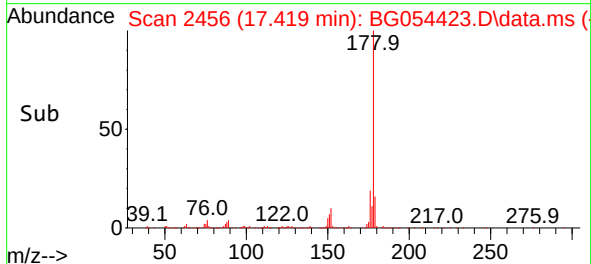
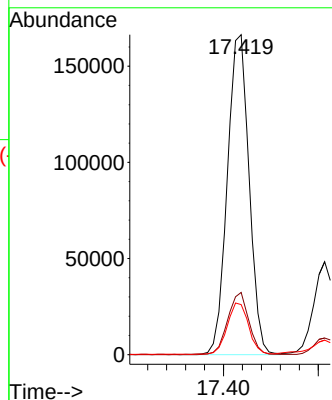
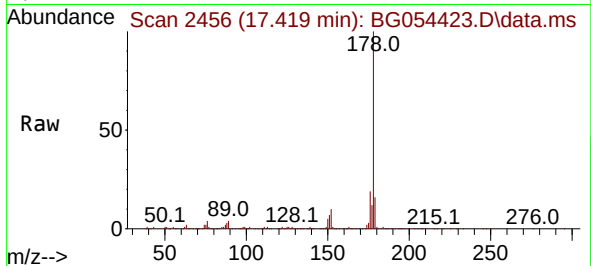




#71
Phenanthrene
Concen: 42.792 ng
RT: 17.419 min Scan# 241
Delta R.T. 0.006 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

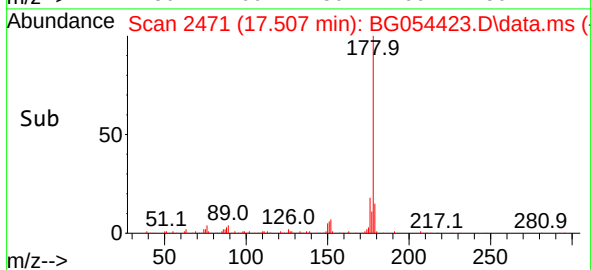
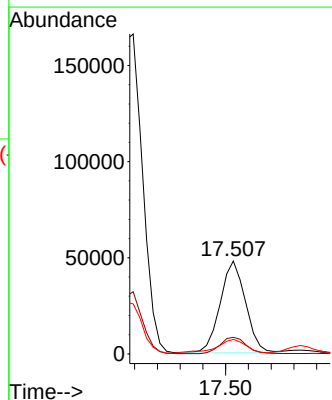
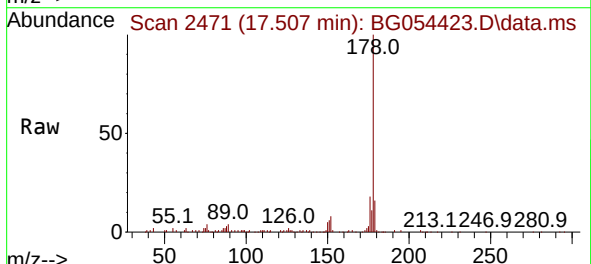
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22

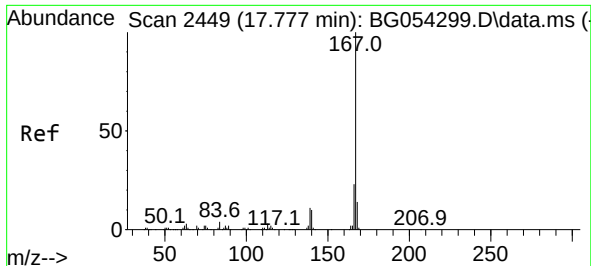
Tgt Ion:178 Resp: 265219
Ion Ratio Lower Upper
178 100
176 19.4 14.1 21.1
179 15.7 12.1 18.1



#72
Anthracene
Concen: 12.175 ng
RT: 17.507 min Scan# 2471
Delta R.T. 0.006 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

Tgt Ion:178 Resp: 74051
Ion Ratio Lower Upper
178 100
176 17.9 15.2 22.8
179 15.7 13.0 19.4

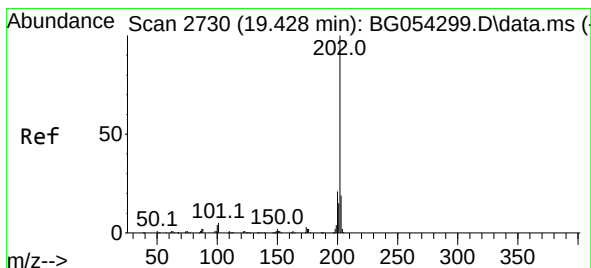
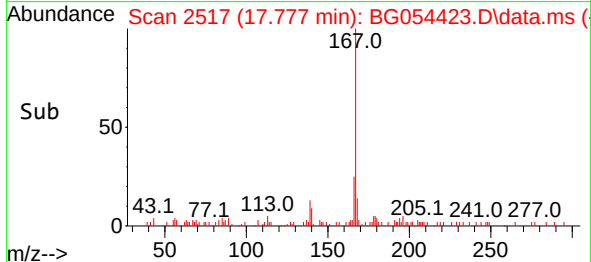
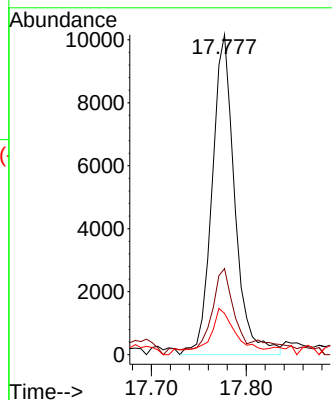
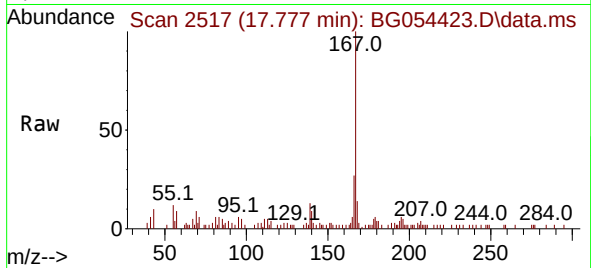




#73
 Carbazole
 Concen: 3.372 ng
 RT: 17.777 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BG054423.D
 Acq: 27 Jul 2022 19:53

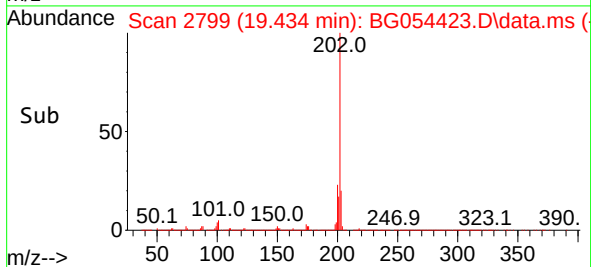
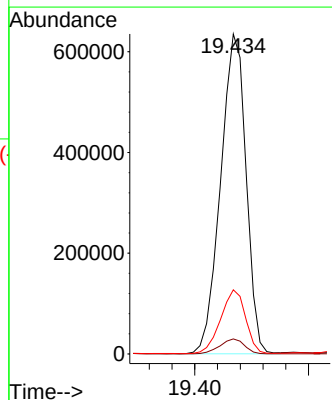
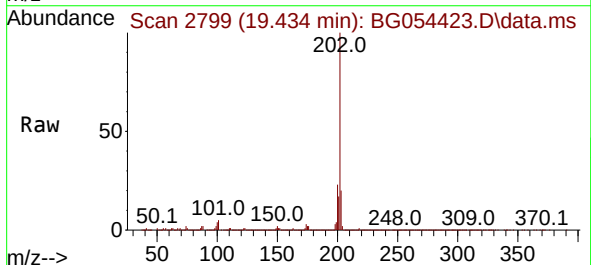
Instrument :
 BNA_G
 ClientSampleId :
 NB-7-7-26-22

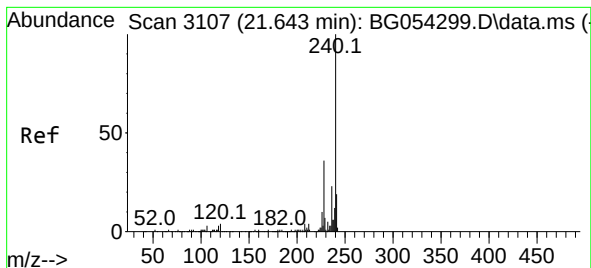
Tgt Ion:167 Resp: 16884
 Ion Ratio Lower Upper
 167 100
 166 26.9 18.2 27.2
 139 12.9 10.1 15.1



#75
 Fluoranthene
 Concen: 116.733 ng
 RT: 19.434 min Scan# 2799
 Delta R.T. 0.012 min
 Lab File: BG054423.D
 Acq: 27 Jul 2022 19:53

Tgt Ion:202 Resp: 986256
 Ion Ratio Lower Upper
 202 100
 101 4.7 0.0 26.9
 203 20.1 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.643 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG054423.D

Acq: 27 Jul 2022 19:53

Instrument :

BNA_G

ClientSampleId :

NB-7-7-26-22

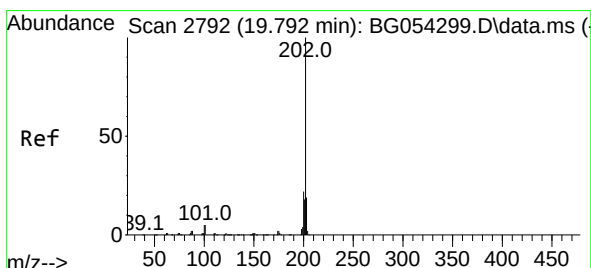
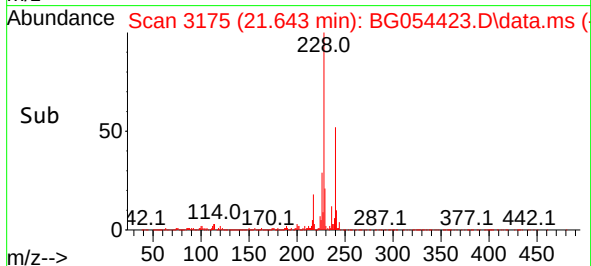
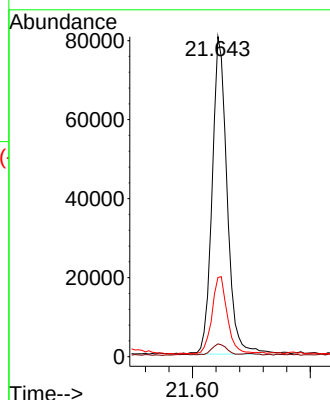
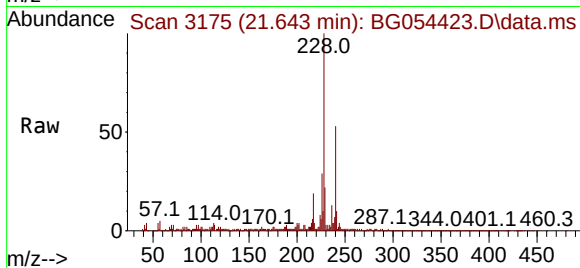
Tgt Ion:240 Resp: 142178

Ion Ratio Lower Upper

240 100

120 4.0 4.6 7.0#

236 24.8 20.2 30.4



#78

Pyrene

Concen: 108.794 ng

RT: 19.798 min Scan# 2861

Delta R.T. 0.012 min

Lab File: BG054423.D

Acq: 27 Jul 2022 19:53

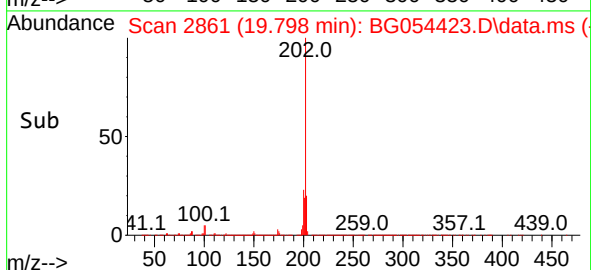
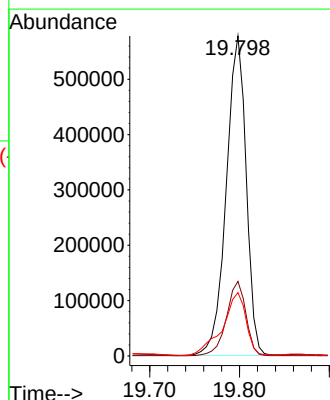
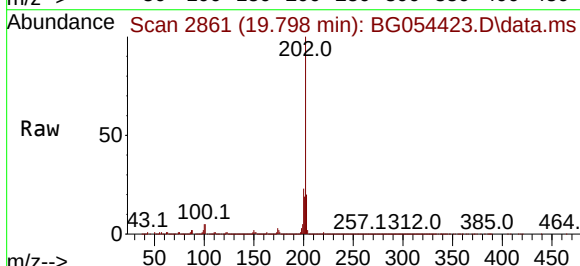
Tgt Ion:202 Resp: 887549

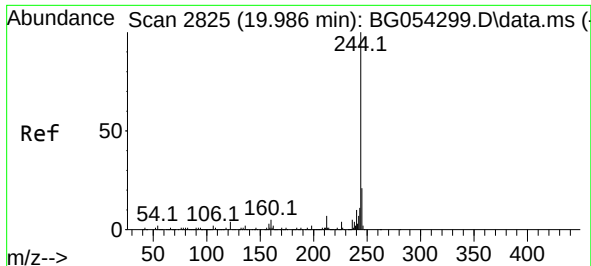
Ion Ratio Lower Upper

202 100

200 23.3 16.6 24.8

203 19.8 14.6 21.8

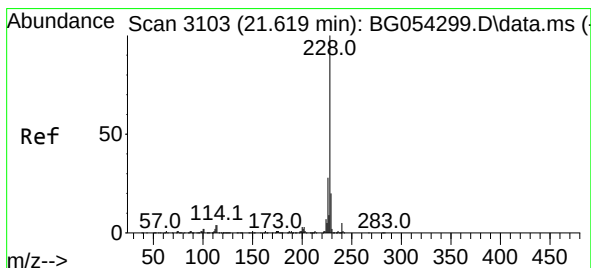
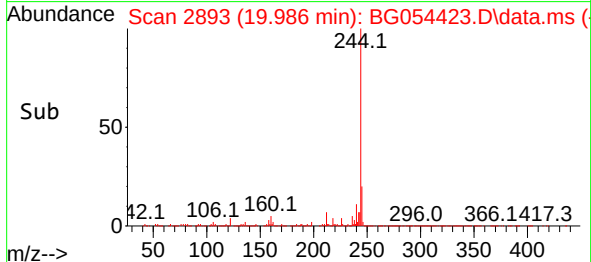
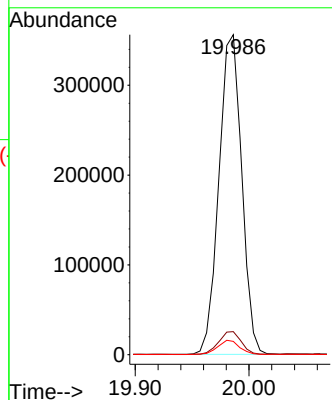
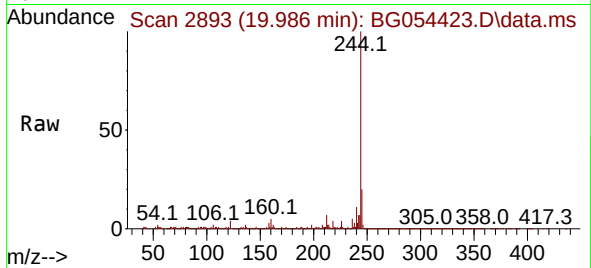




#79
 Terphenyl-d14
 Concen: 69.245 ng
 RT: 19.986 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BG054423.D
 Acq: 27 Jul 2022 19:53

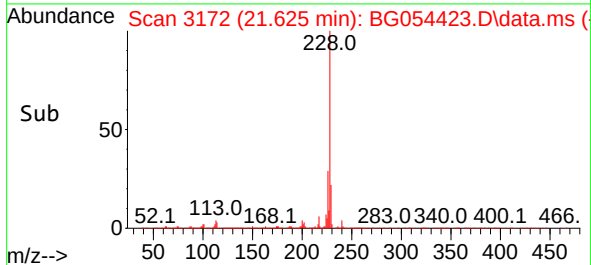
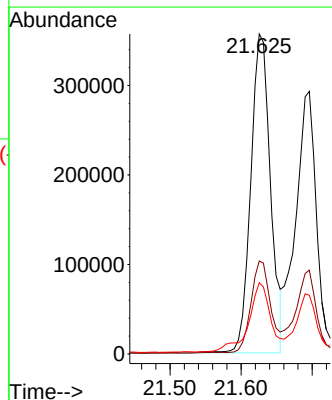
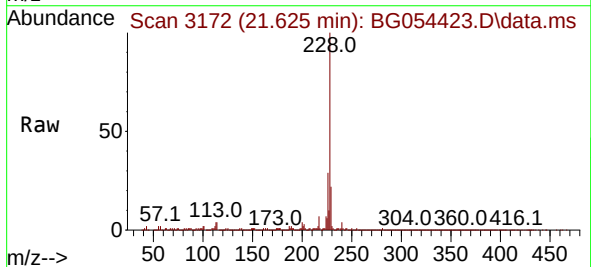
Instrument :
 BNA_G
 ClientSampleId :
 NB-7-7-26-22

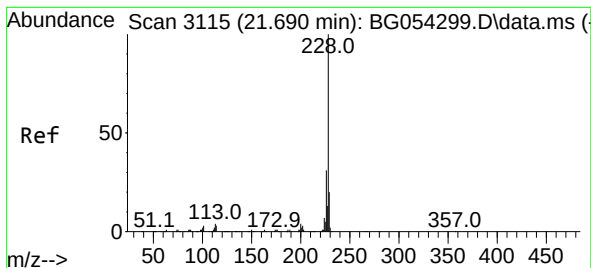
Tgt Ion:244 Resp: 496278
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 4.1 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 76.016 ng
 RT: 21.625 min Scan# 3172
 Delta R.T. 0.012 min
 Lab File: BG054423.D
 Acq: 27 Jul 2022 19:53

Tgt Ion:228 Resp: 686075
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.6 32.4
 229 22.2 16.2 24.2





#83

Chrysene

Concen: 68.417 ng

RT: 21.696 min Scan# 3115

Delta R.T. 0.012 min

Lab File: BG054423.D

Acq: 27 Jul 2022 19:53

Instrument :

BNA_G

ClientSampleId :

NB-7-7-26-22

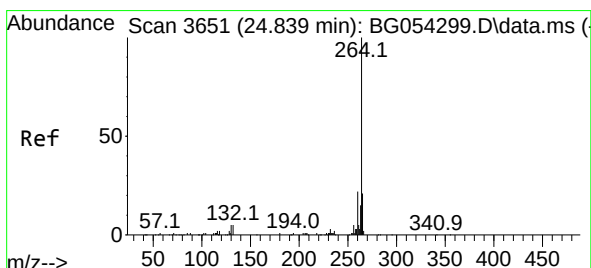
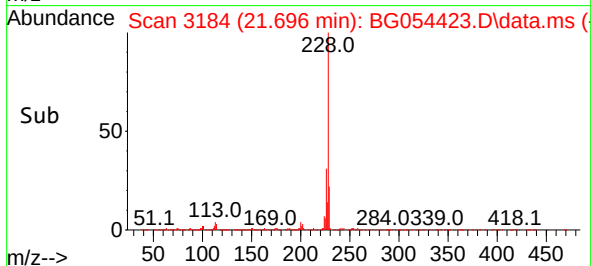
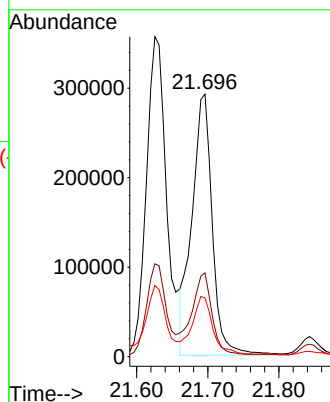
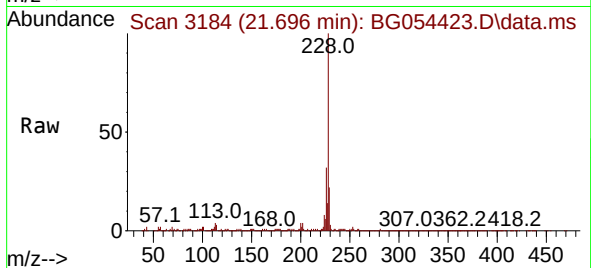
Tgt Ion:228 Resp: 583386

Ion Ratio Lower Upper

228 100

226 31.9 23.4 35.2

229 22.4 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.857 min Scan# 3722

Delta R.T. 0.024 min

Lab File: BG054423.D

Acq: 27 Jul 2022 19:53

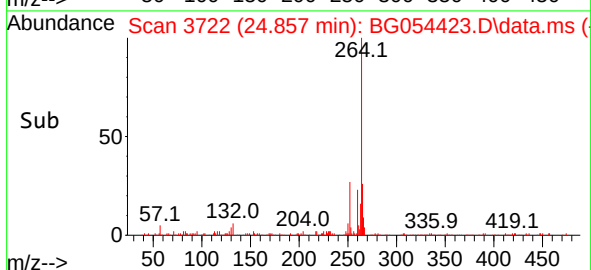
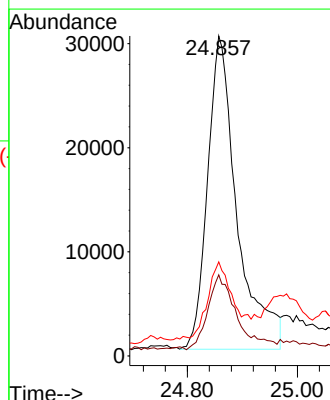
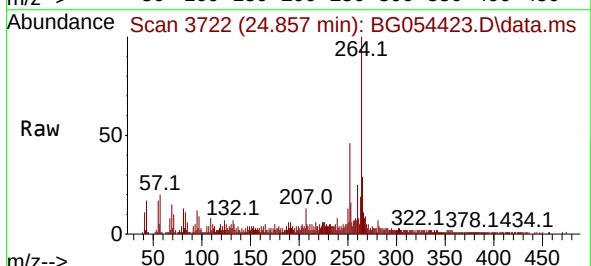
Tgt Ion:264 Resp: 112251

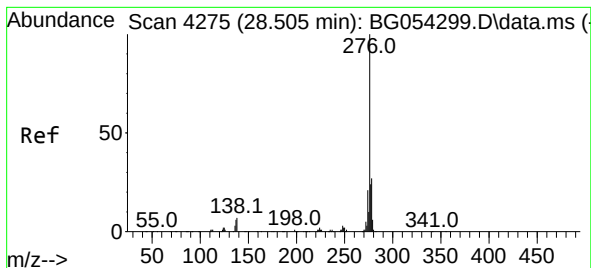
Ion Ratio Lower Upper

264 100

260 25.3 19.0 28.6

265 29.4 17.4 26.2#





#87

Indeno(1,2,3-cd)pyrene

Concen: 23.314 ng

RT: 28.541 min Scan# 41

Delta R.T. 0.024 min

Lab File: BG054423.D

Acq: 27 Jul 2022 19:53

Instrument :

BNA_G

ClientSampleId :

NB-7-7-26-22

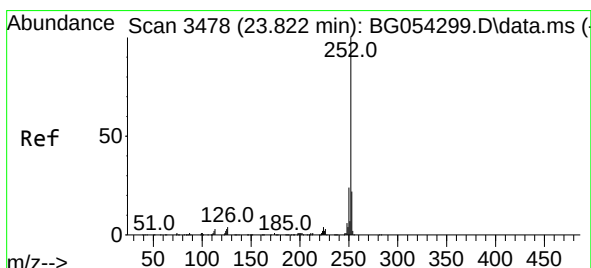
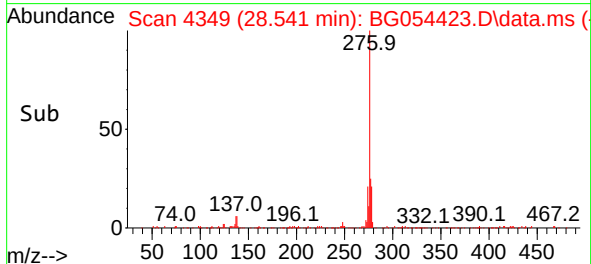
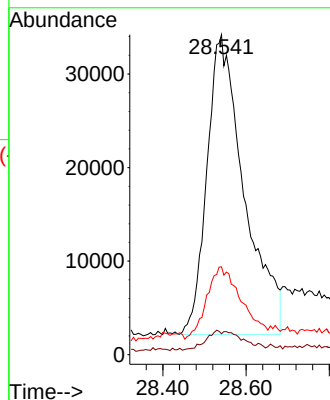
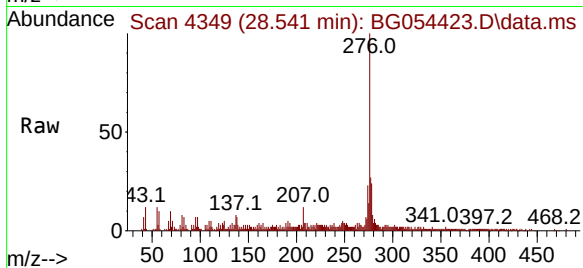
Tgt Ion:276 Resp: 199085

Ion Ratio Lower Upper

276 100

138 2.8 5.0 7.4#

277 22.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 101.572 ng

RT: 23.852 min Scan# 3551

Delta R.T. 0.030 min

Lab File: BG054423.D

Acq: 27 Jul 2022 19:53

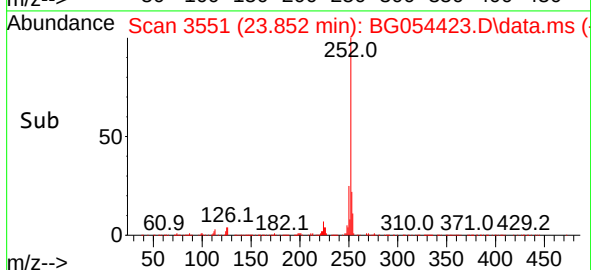
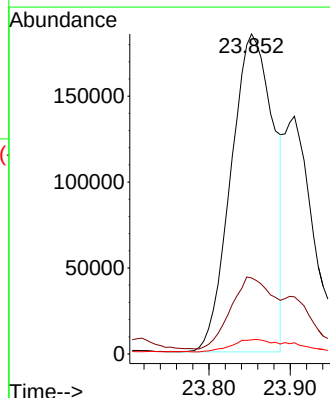
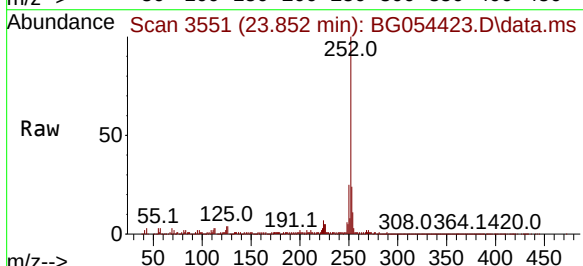
Tgt Ion:252 Resp: 674273

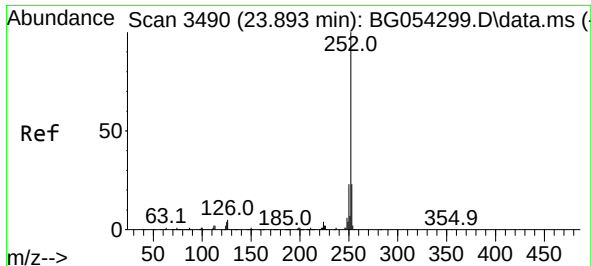
Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

125 4.4 4.6 6.8#

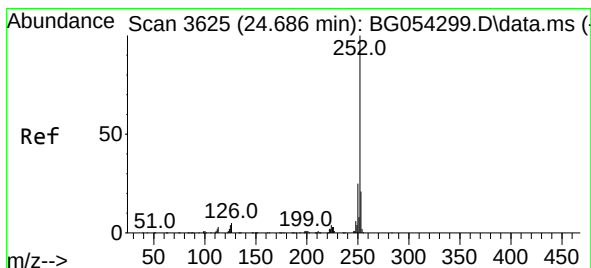
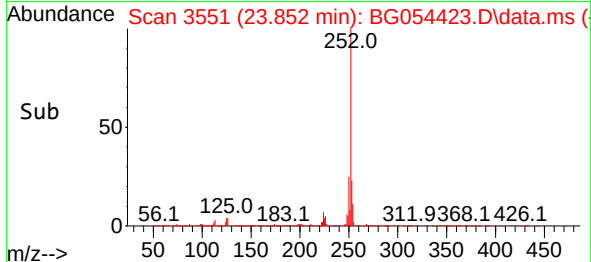
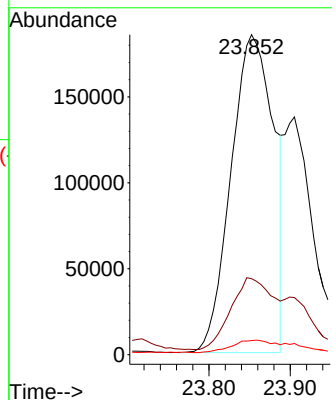
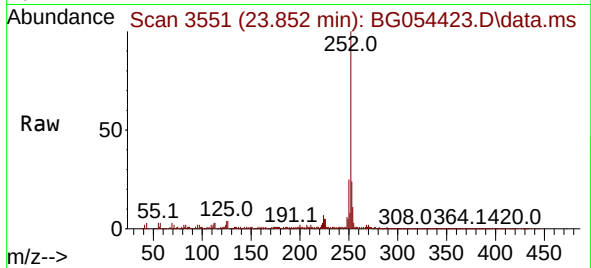




#89
Benzo(k)fluoranthene
Concen: 102.060 ng
RT: 23.852 min Scan# 31
Delta R.T. -0.035 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

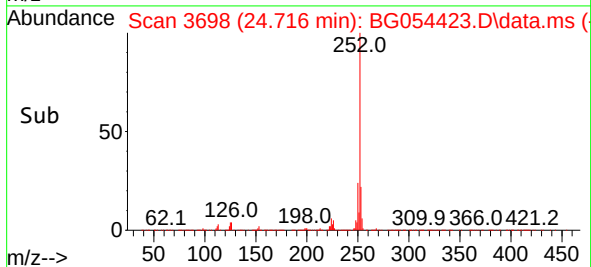
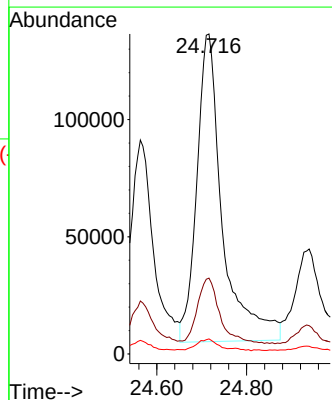
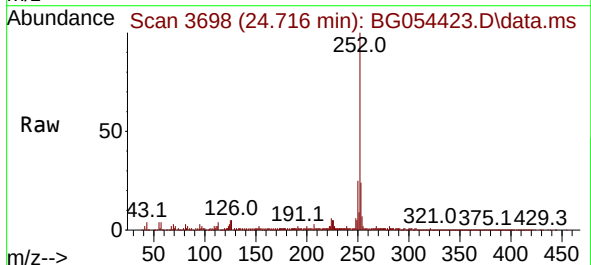
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22

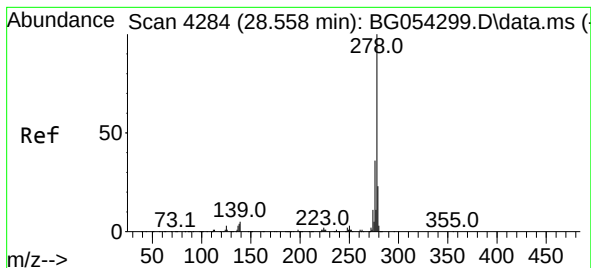
Tgt Ion:252 Resp: 674273
Ion Ratio Lower Upper
252 100
253 23.7 18.4 27.6
125 4.4 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 91.667 ng
RT: 24.716 min Scan# 3698
Delta R.T. 0.030 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

Tgt Ion:252 Resp: 519682
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 4.7 4.3 6.5





#91

Dibenzo(a,h)anthracene

Concen: 6.590 ng

RT: 28.570 min Scan# 41

Delta R.T. 0.006 min

Lab File: BG054423.D

Acq: 27 Jul 2022 19:53

Instrument :

BNA_G

ClientSampleId :

NB-7-7-26-22

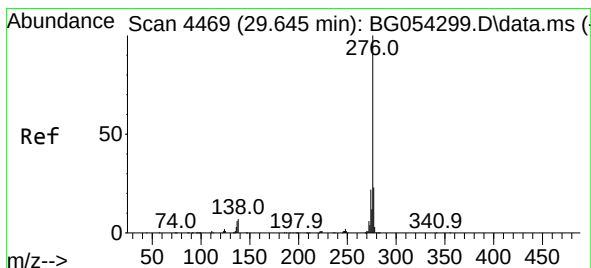
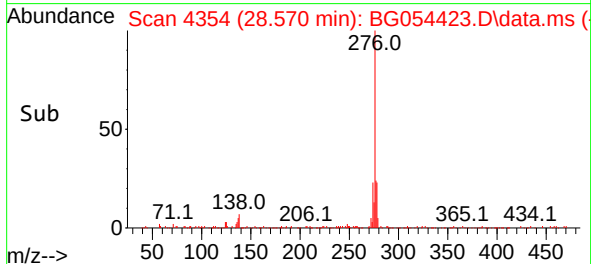
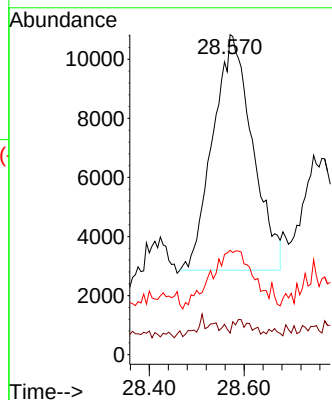
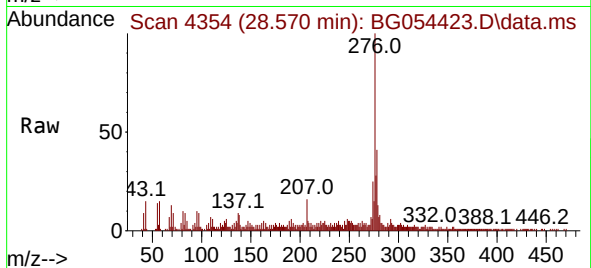
Tgt Ion:278 Resp: 46271

Ion Ratio Lower Upper

278 100

139 6.7 7.2 10.8#

279 32.6 18.6 27.8#



#92

Benzo(g,h,i)perylene

Concen: 23.737 ng

RT: 29.692 min Scan# 4545

Delta R.T. 0.030 min

Lab File: BG054423.D

Acq: 27 Jul 2022 19:53

Tgt Ion:276 Resp: 164509

Ion Ratio Lower Upper

276 100

277 30.5 17.3 25.9#

138 7.8 9.6 14.4#

