

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
 Data File : BG054797.D
 Acq On : 30 Aug 2022 20:09
 Operator : CG/JU
 Sample : N4415-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-082622

Quant Time: Aug 31 02:10:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

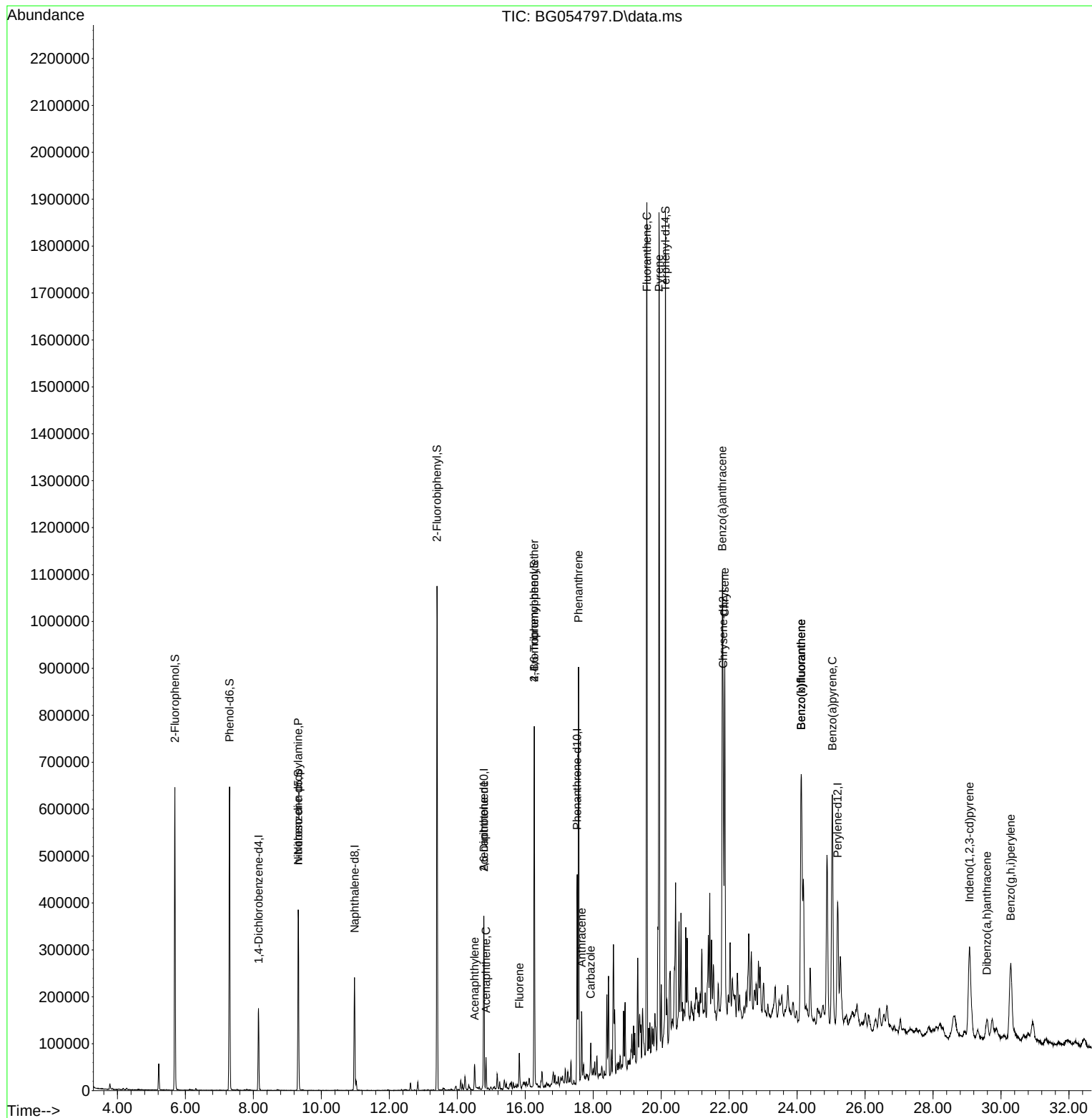
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.152	152	52195	20.000	ng	0.00
21) Naphthalene-d8	10.978	136	221129	20.000	ng	0.00
39) Acenaphthene-d10	14.785	164	138950	20.000	ng	0.00
64) Phenanthrene-d10	17.529	188	289662	20.000	ng	0.00
76) Chrysene-d12	21.824	240	265334	20.000	ng	0.00
86) Perylene-d12	25.191	264	284145	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	304155	101.474	ng	0.00
7) Phenol-d6	7.300	99	408382	99.626	ng	0.00
23) Nitrobenzene-d5	9.321	82	247252	58.698	ng	0.00
42) 2,4,6-Tribromophenol	16.266	330	157518	90.722	ng	0.00
45) 2-Fluorobiphenyl	13.404	172	577217	62.437	ng	0.00
79) Terphenyl-d14	20.126	244	835246	62.372	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.321	70	30805	10.928	ng	# 79
49) Acenaphthylene	14.509	152	54323	4.201	ng	98
51) 2,6-Dinitrotoluene	14.779	165	19240	8.787	ng	# 22
52) Acenaphthene	14.844	154	25400	3.058	ng	98
58) Fluorene	15.825	166	35958	3.497	ng	99
67) 4-Bromophenyl-phenylether	16.266	248	9988	3.141	ng	# 1
71) Phenanthrene	17.570	178	563141	36.495	ng	99
72) Anthracene	17.658	178	105478	7.031	ng	99
73) Carbazole	17.928	167	48092	3.479	ng	97
75) Fluoranthene	19.579	202	1162184	61.913	ng	98
78) Pyrene	19.938	202	1142675	61.761	ng	97
81) Benzo(a)anthracene	21.800	228	560900	31.178	ng	98
83) Chrysene	21.871	228	566580	32.938	ng	97
87) Indeno(1,2,3-cd)pyrene	29.074	276	379032	17.571	ng	# 96
88) Benzo(b)fluoranthene	24.121	252	750470	42.103	ng	99
89) Benzo(k)fluoranthene	24.121	252	750470	41.835	ng	99
90) Benzo(a)pyrene	25.038	252	576763	37.873	ng	99
91) Dibenzo(a,h)anthracene	29.585	278	61712	3.512	ng	93
92) Benzo(g,h,i)perylene	30.285	276	407254	22.939	ng	98

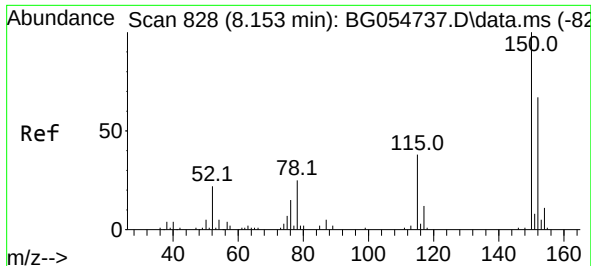
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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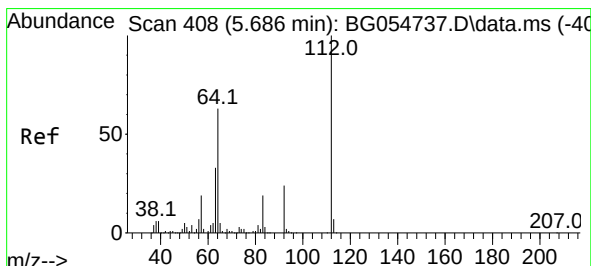
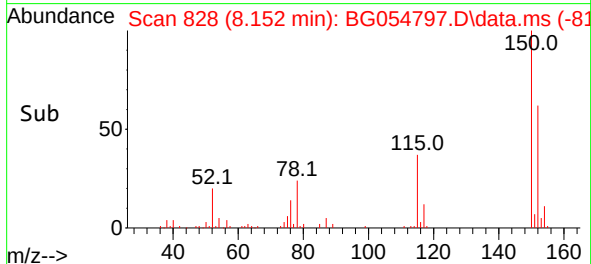
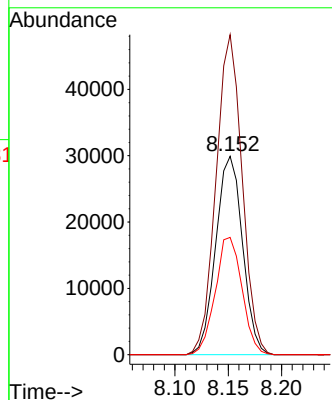
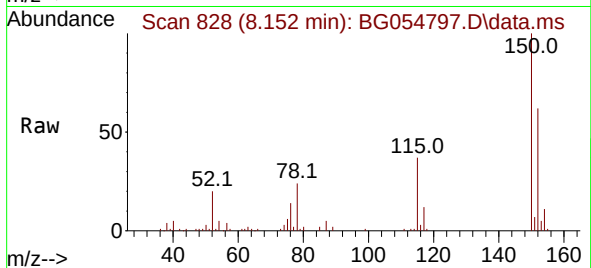




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.152 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

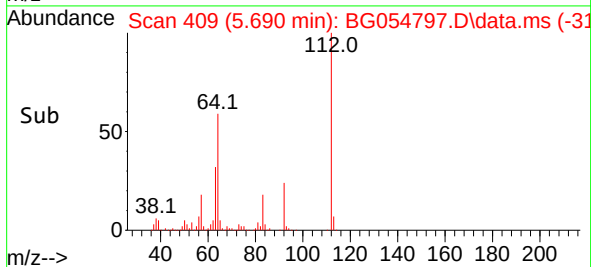
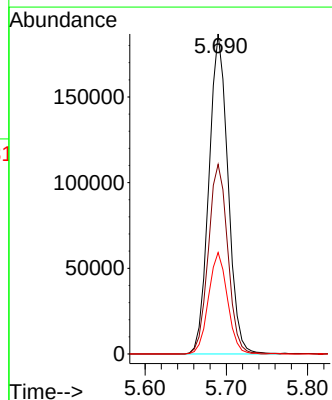
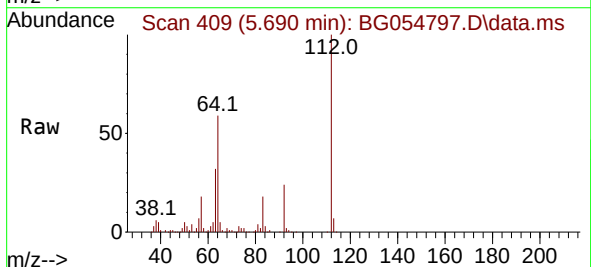
Instrument :
BNA_G
ClientSampleId :
OR-02-082622

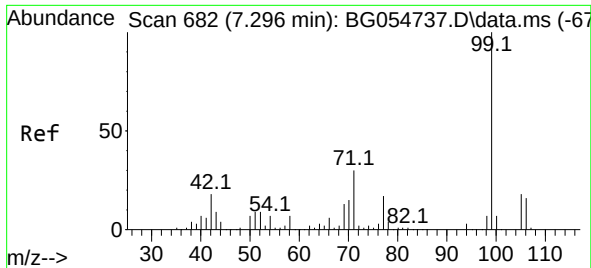
Tgt Ion:152 Resp: 52195
Ion Ratio Lower Upper
152 100
150 161.3 125.2 187.8
115 59.2 47.9 71.9



#5
2-Fluorophenol
Concen: 101.474 ng
RT: 5.690 min Scan# 409
Delta R.T. 0.004 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

Tgt Ion:112 Resp: 304155
Ion Ratio Lower Upper
112 100
64 59.2 49.3 73.9
63 31.7 26.3 39.5

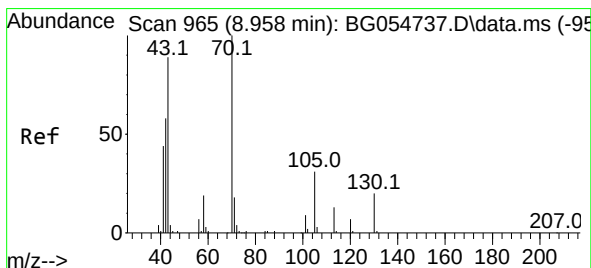
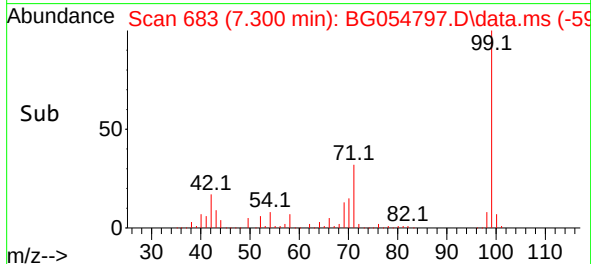
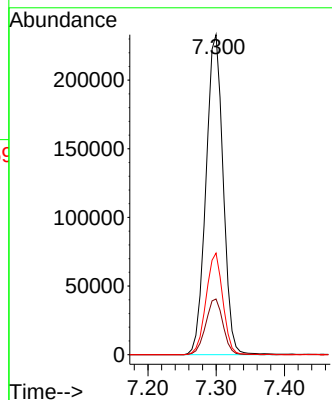
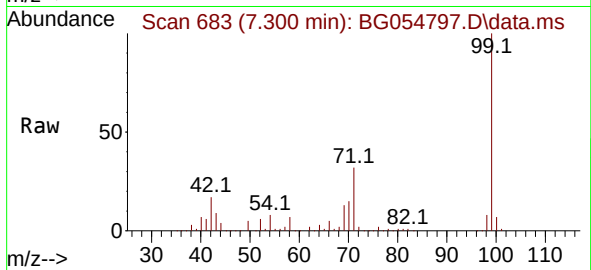




#7
Phenol-d6
Concen: 99.626 ng
RT: 7.300 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

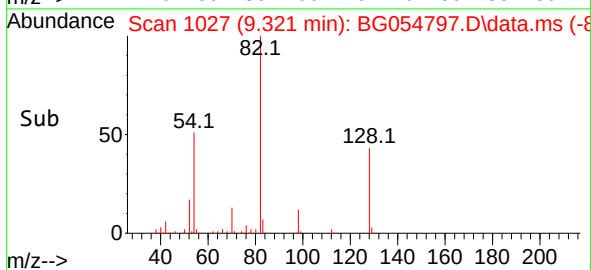
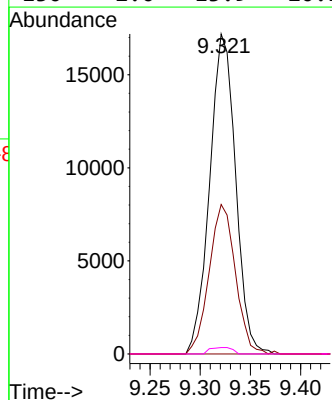
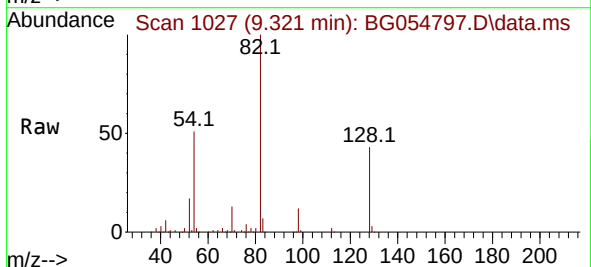
Instrument :
BNA_G
ClientSampleId :
OR-02-082622

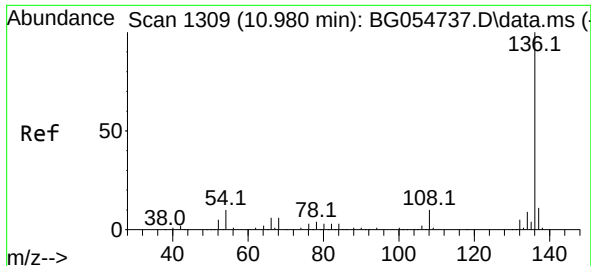
Tgt Ion: 99 Resp: 408382
Ion Ratio Lower Upper
99 100
42 17.4 14.6 22.0
71 31.7 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 10.928 ng
RT: 9.321 min Scan# 1027
Delta R.T. 0.362 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

Tgt Ion: 70 Resp: 30805
Ion Ratio Lower Upper
70 100
42 46.7 46.6 69.8
101 0.0 7.7 11.5#
130 2.0 13.9 20.9#

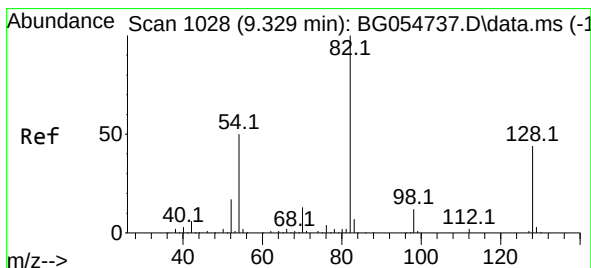
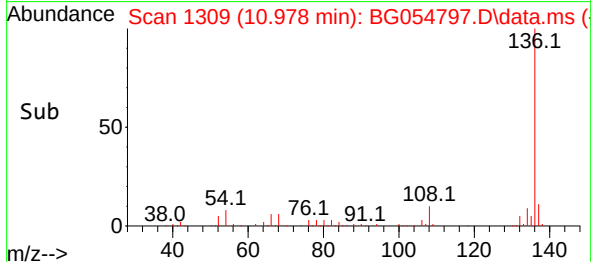
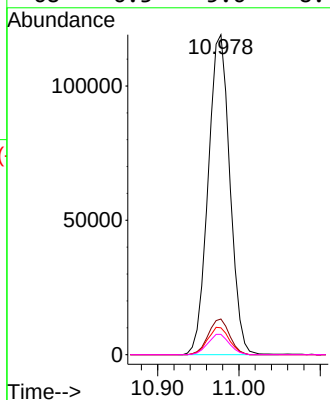
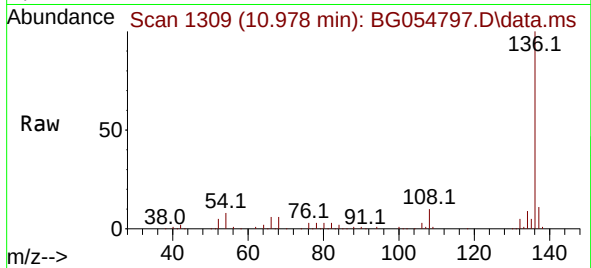




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.978 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

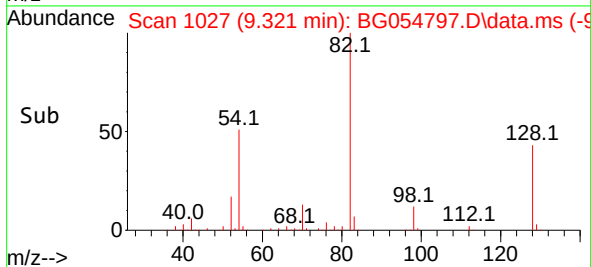
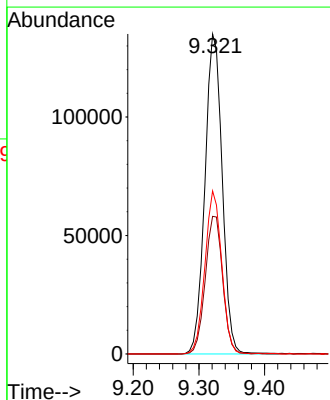
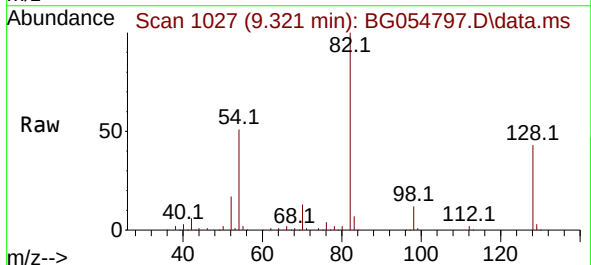
Instrument :
BNA_G
ClientSampleId :
OR-02-082622

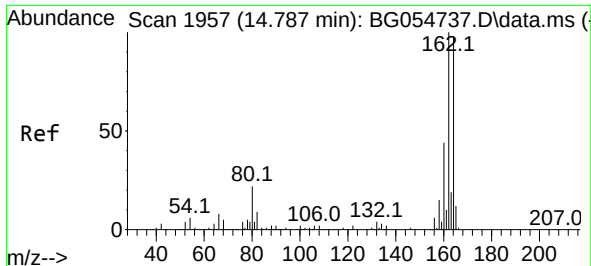
Tgt Ion:	136	Resp:	221129
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	8.4	7.7	11.5
68	6.3	5.6	8.4



#23
Nitrobenzene-d5
Concen: 58.698 ng
RT: 9.321 min Scan# 1027
Delta R.T. -0.008 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

Tgt Ion:	82	Resp:	247252
Ion	Ratio	Lower	Upper
82	100		
128	43.0	32.2	48.2
54	51.0	41.4	62.0

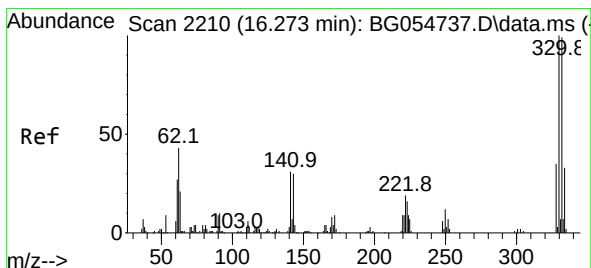
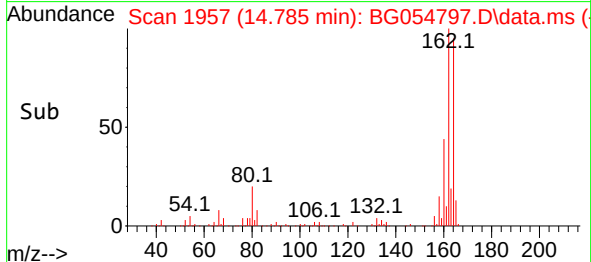
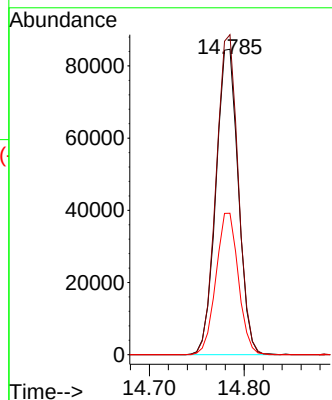
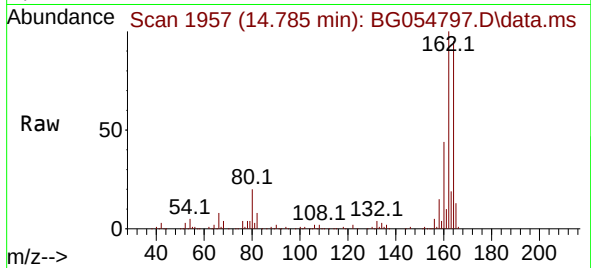




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.785 min Scan# 1957
Delta R.T. -0.002 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

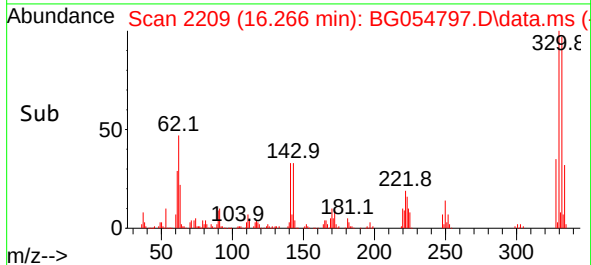
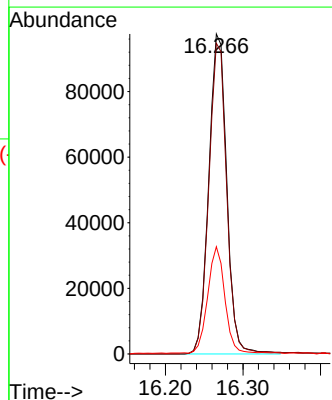
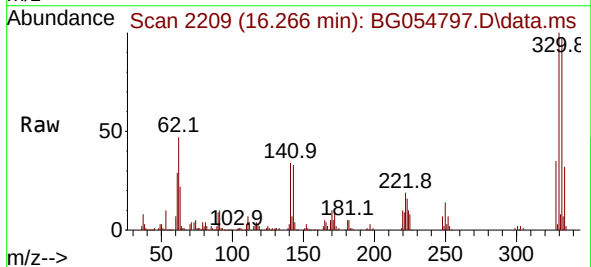
Instrument :
BNA_G
ClientSampleId :
OR-02-082622

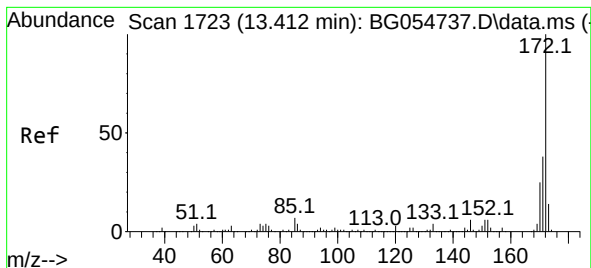
Tgt Ion:164 Resp: 138950
Ion Ratio Lower Upper
164 100
162 104.8 83.0 124.4
160 46.3 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 90.722 ng
RT: 16.266 min Scan# 2209
Delta R.T. -0.008 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

Tgt Ion:330 Resp: 157518
Ion Ratio Lower Upper
330 100
332 96.5 79.8 119.6
141 31.8 26.8 40.2

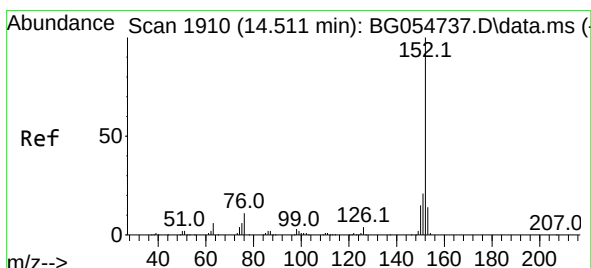
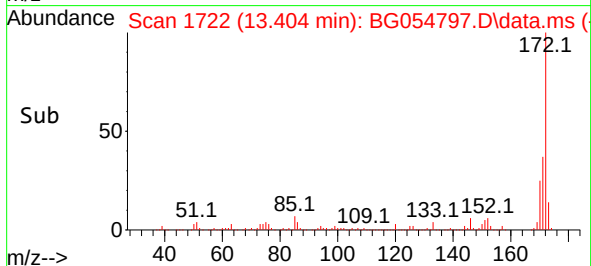
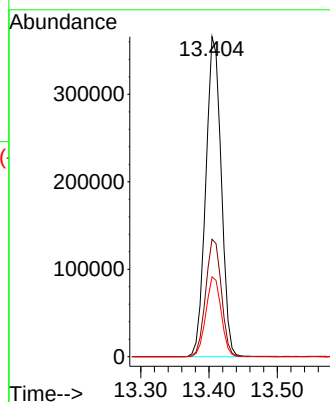
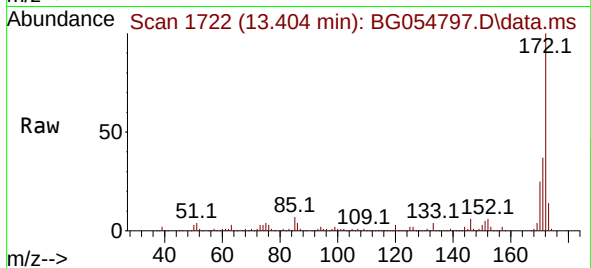




#45
2-Fluorobiphenyl
Concen: 62.437 ng
RT: 13.404 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

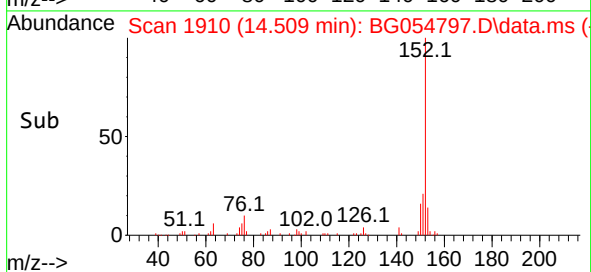
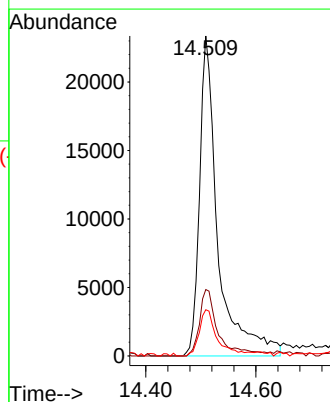
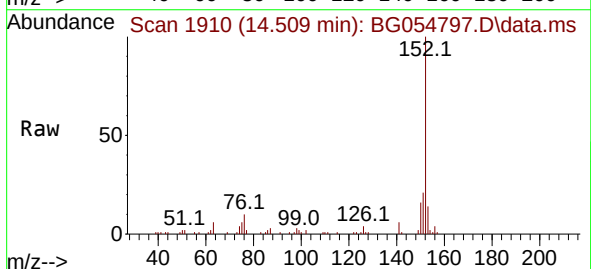
Instrument :
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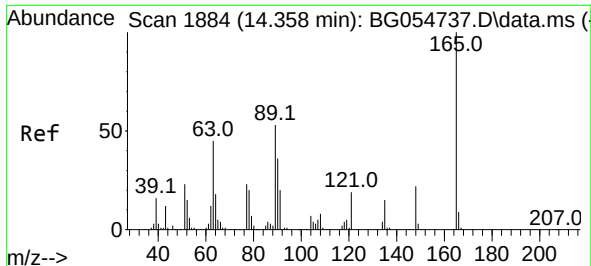
Tgt Ion:172 Resp: 577217
Ion Ratio Lower Upper
172 100
171 36.7 31.2 46.8
170 25.0 20.6 30.8



#49
Acenaphthylene
Concen: 4.201 ng
RT: 14.509 min Scan# 1910
Delta R.T. -0.002 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

Tgt Ion:152 Resp: 54323
Ion Ratio Lower Upper
152 100
151 20.7 17.3 25.9
153 14.5 10.8 16.2





#51

2,6-Dinitrotoluene

Concen: 8.787 ng

RT: 14.779 min Scan# 1956

Delta R.T. 0.421 min

Lab File: BG054797.D

Acq: 30 Aug 2022 20:09

Instrument :

BNA_G

ClientSampleId :

OR-02-082622

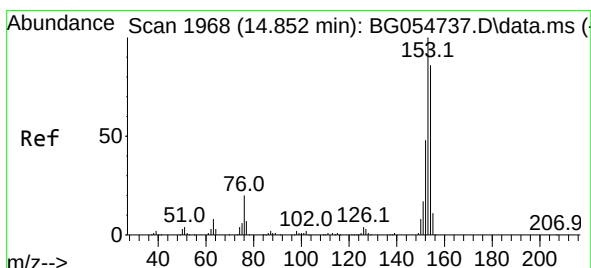
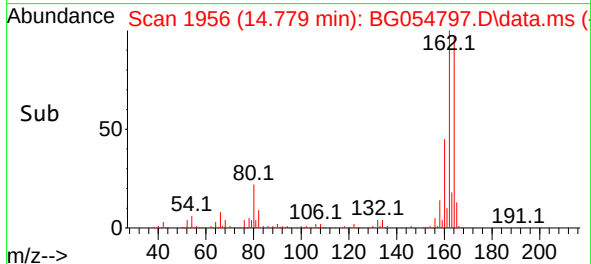
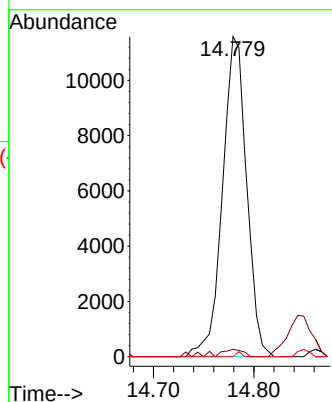
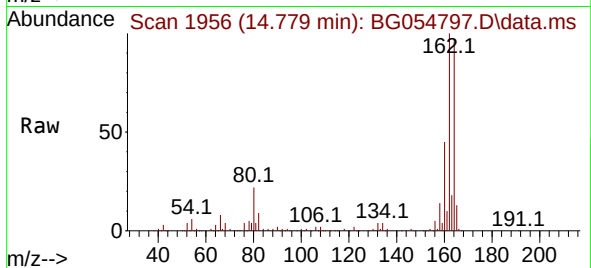
Tgt Ion:165 Resp: 19240

Ion Ratio Lower Upper

165 100

63 2.3 46.0 69.0#

89 0.0 50.3 75.5#



#52

Acenaphthene

Concen: 3.058 ng

RT: 14.844 min Scan# 1967

Delta R.T. -0.008 min

Lab File: BG054797.D

Acq: 30 Aug 2022 20:09

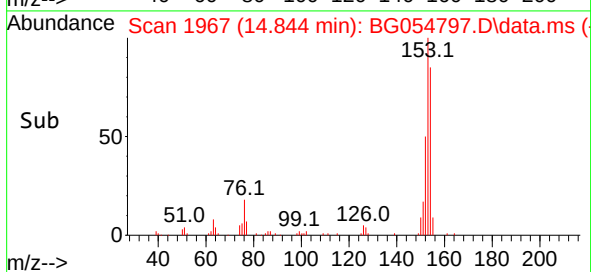
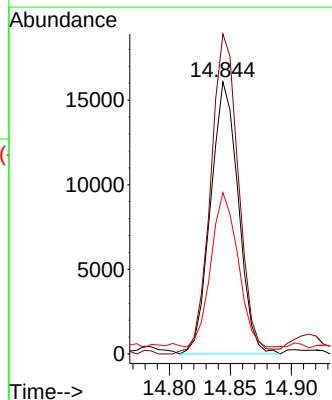
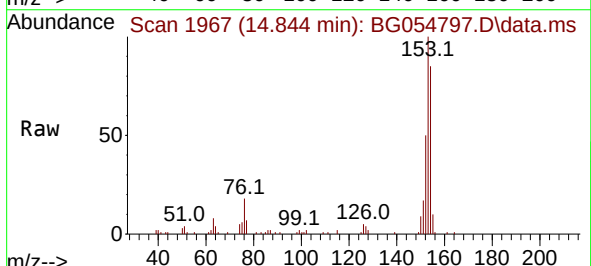
Tgt Ion:154 Resp: 25400

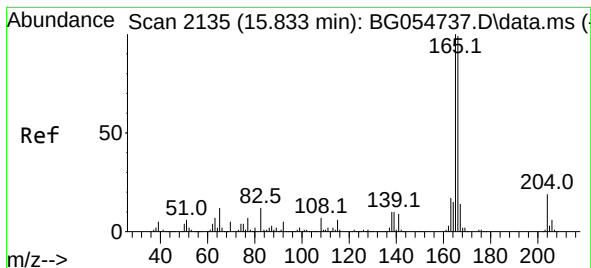
Ion Ratio Lower Upper

154 100

153 117.6 92.8 139.2

152 59.2 45.4 68.2





#58

Fluorene

Concen: 3.497 ng

RT: 15.825 min Scan# 2135

Delta R.T. -0.008 min

Lab File: BG054797.D

Acq: 30 Aug 2022 20:09

Instrument :

BNA_G

ClientSampleId :

OR-02-082622

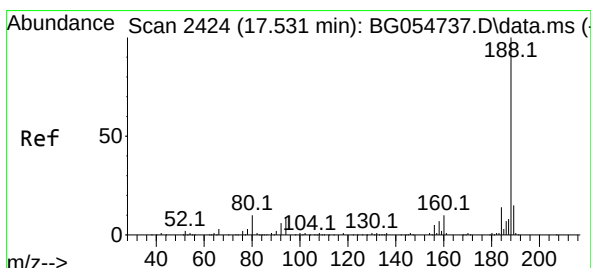
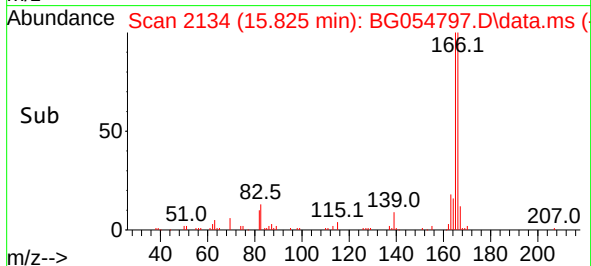
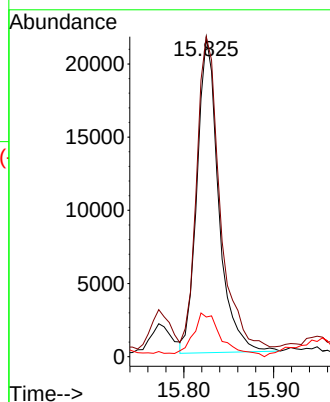
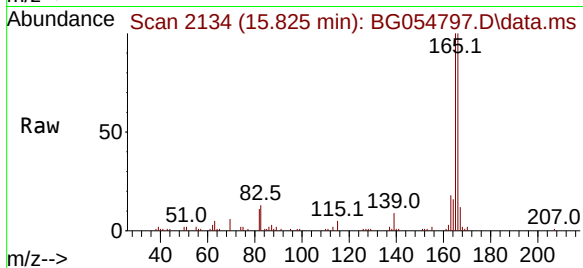
Tgt Ion:166 Resp: 35958

Ion Ratio Lower Upper

166 100

165 100.2 80.8 121.2

167 12.4 11.4 17.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.529 min Scan# 2424

Delta R.T. -0.002 min

Lab File: BG054797.D

Acq: 30 Aug 2022 20:09

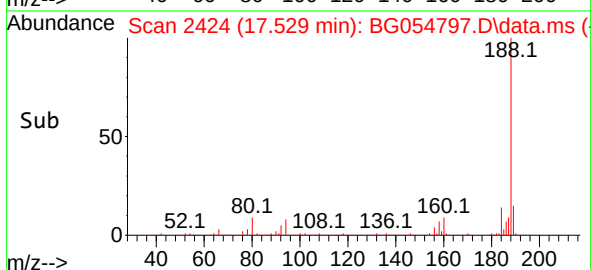
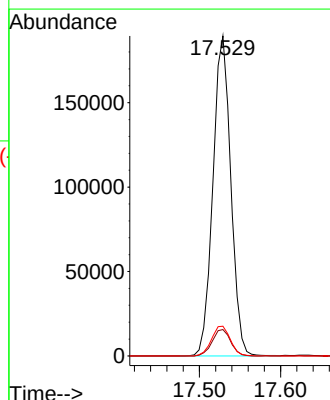
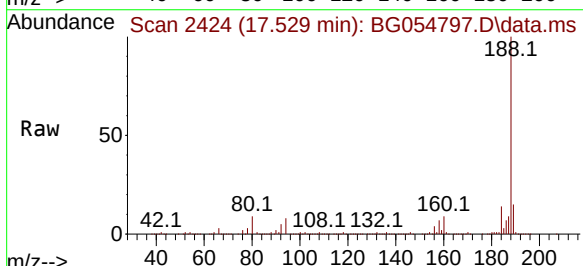
Tgt Ion:188 Resp: 289662

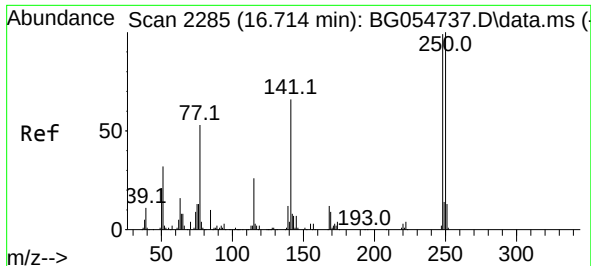
Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.4

80 9.3 7.9 11.9

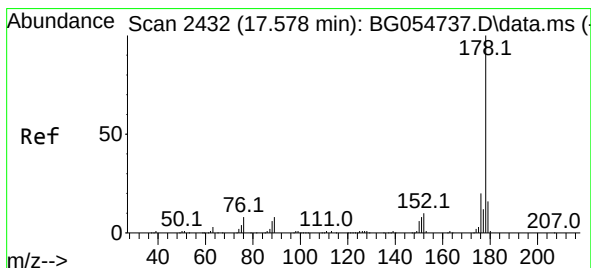
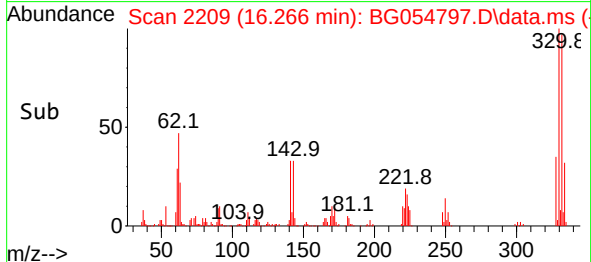
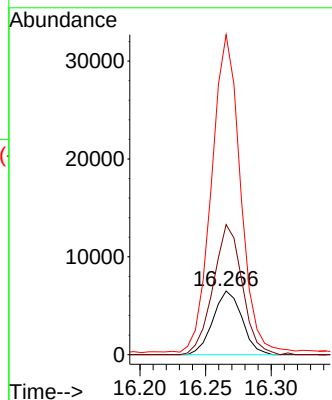
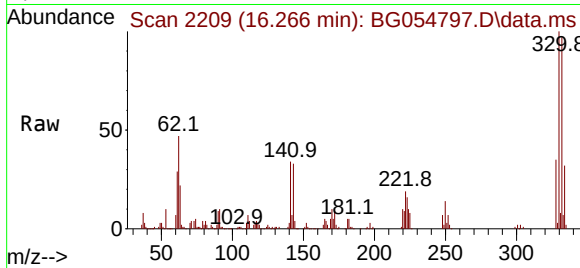




#67
4-Bromophenyl-phenylether
Concen: 3.141 ng
RT: 16.266 min Scan# 21
Delta R.T. -0.448 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

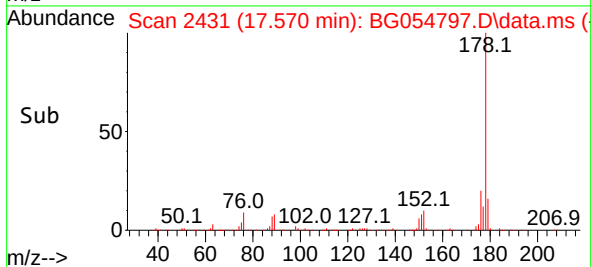
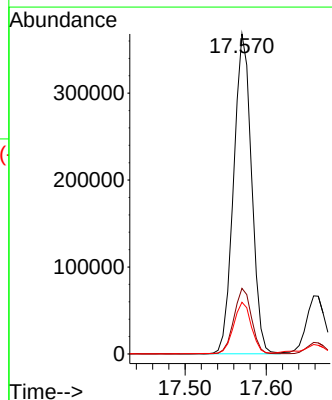
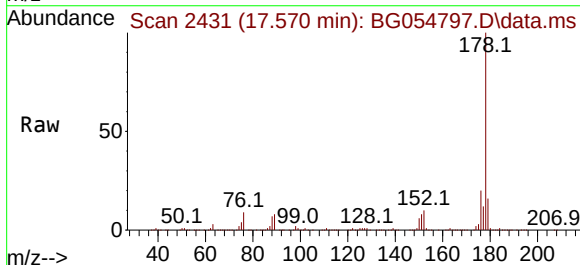
Instrument :
BNA_G
ClientSampleId :
OR-02-082622

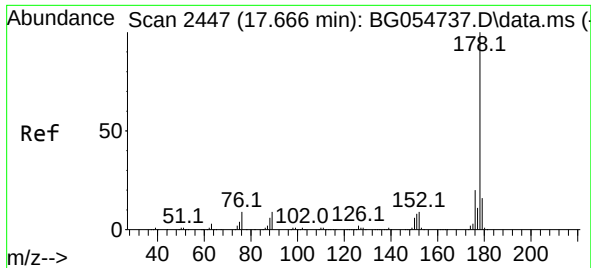
Tgt Ion:248 Resp: 9988
Ion Ratio Lower Upper
248 100
250 204.4 78.8 118.2#
141 502.9 51.9 77.9#



#71
Phenanthrene
Concen: 36.495 ng
RT: 17.570 min Scan# 2431
Delta R.T. -0.008 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

Tgt Ion:178 Resp: 563141
Ion Ratio Lower Upper
178 100
176 20.5 16.6 25.0
179 16.2 12.8 19.2

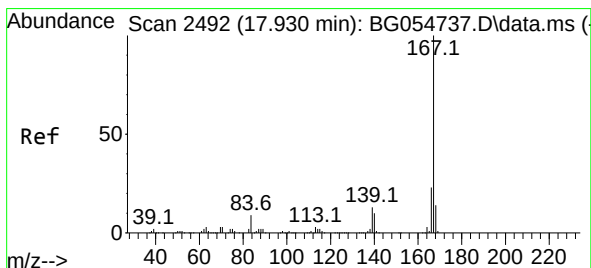
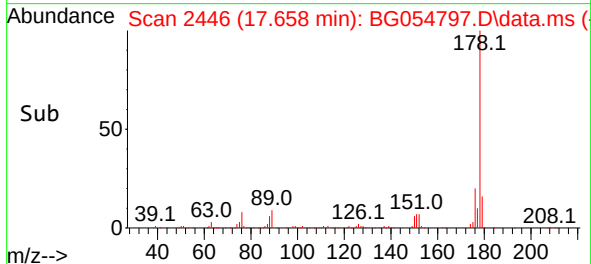
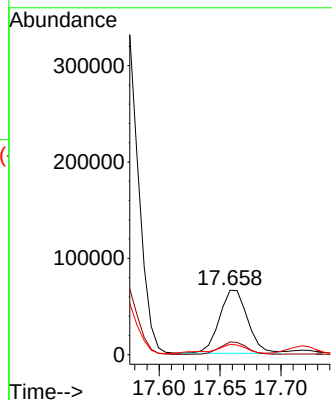
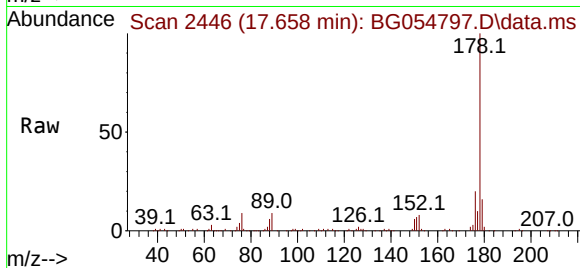




#72
 Anthracene
 Concen: 7.031 ng
 RT: 17.658 min Scan# 2446
 Delta R.T. -0.008 min
 Lab File: BG054797.D
 Acq: 30 Aug 2022 20:09

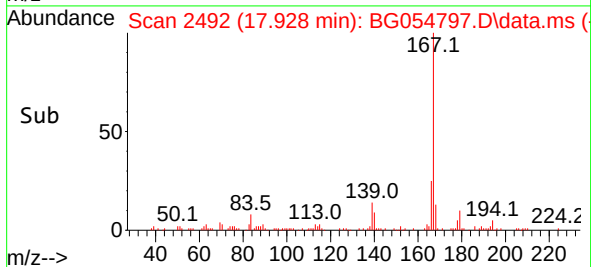
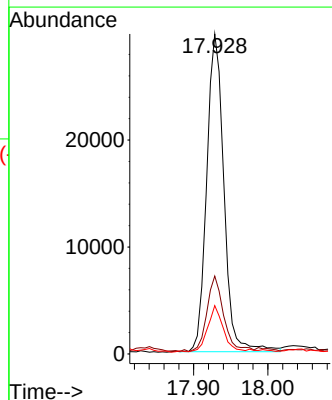
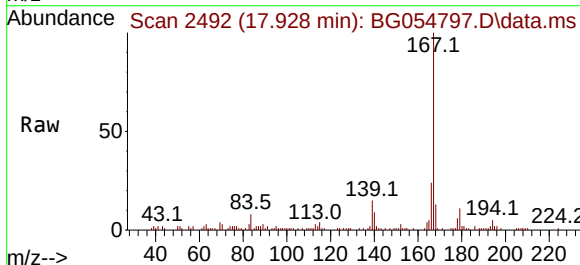
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-082622

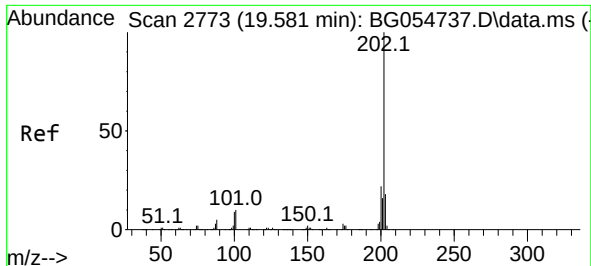
Tgt Ion:178 Resp: 105478
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.2 24.4
 179 16.3 12.9 19.3



#73
 Carbazole
 Concen: 3.479 ng
 RT: 17.928 min Scan# 2492
 Delta R.T. -0.002 min
 Lab File: BG054797.D
 Acq: 30 Aug 2022 20:09

Tgt Ion:167 Resp: 48092
 Ion Ratio Lower Upper
 167 100
 166 24.4 18.8 28.2
 139 15.1 10.2 15.4

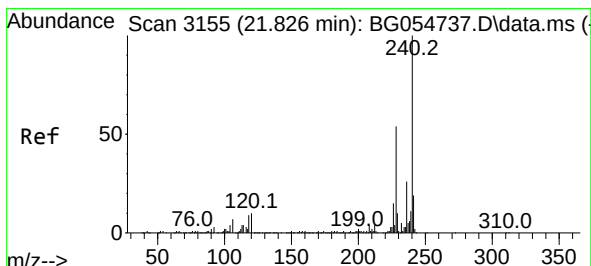
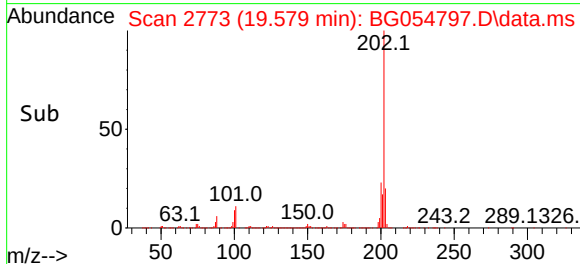
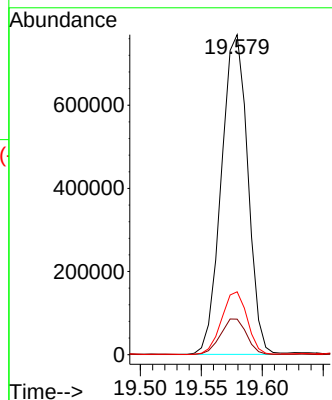
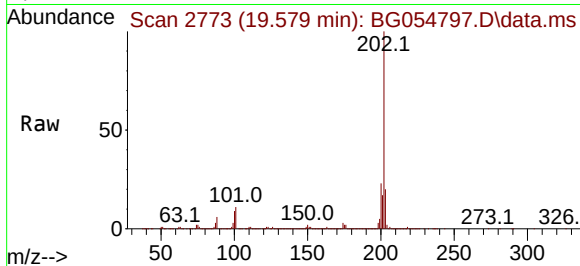




#75
Fluoranthene
Concen: 61.913 ng
RT: 19.579 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

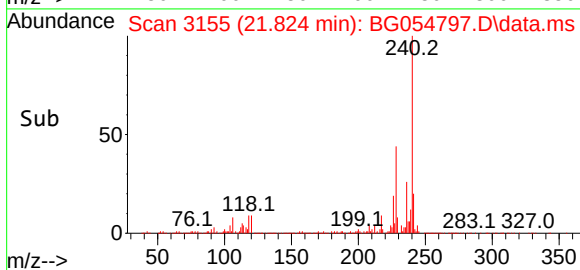
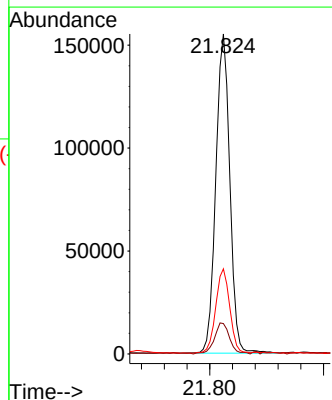
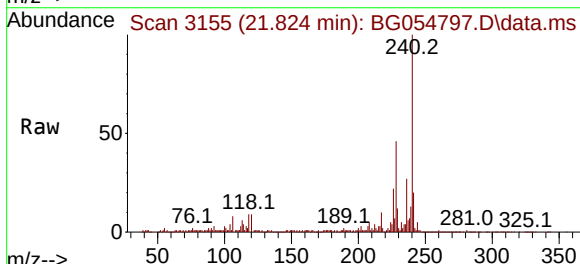
Instrument :
BNA_G
ClientSampleId :
OR-02-082622

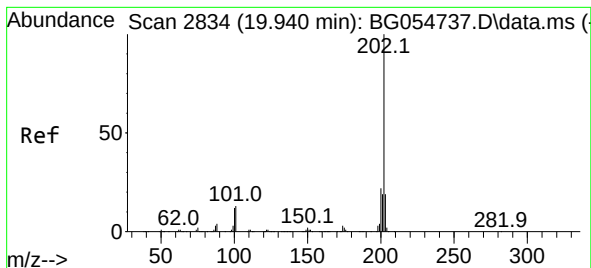
Tgt Ion:202 Resp: 1162184
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.4
203 19.7 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.824 min Scan# 3155
Delta R.T. -0.002 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

Tgt Ion:240 Resp: 265334
Ion Ratio Lower Upper
240 100
120 9.5 8.2 12.4
236 26.6 21.2 31.8





#78

Pyrene

Concen: 61.761 ng

RT: 19.938 min Scan# 2834

Delta R.T. -0.002 min

Lab File: BG054797.D

Acq: 30 Aug 2022 20:09

Instrument :

BNA_G

ClientSampleId :

OR-02-082622

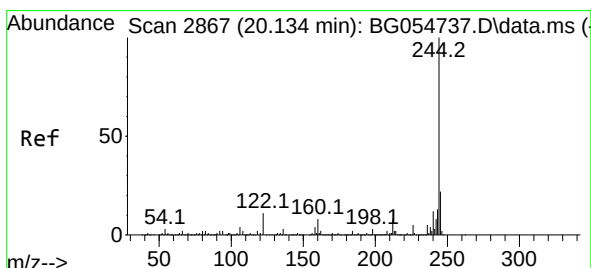
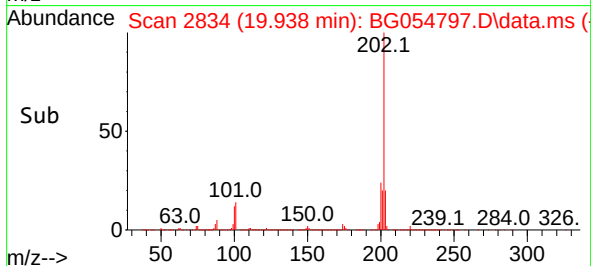
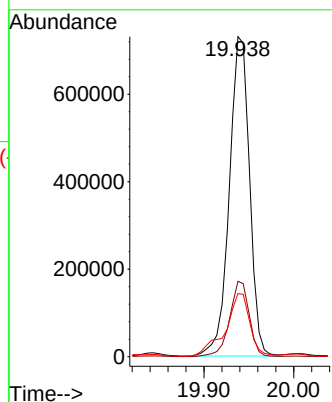
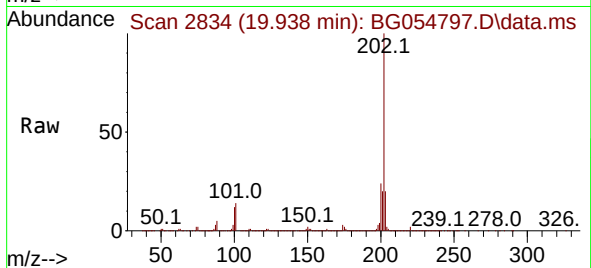
Tgt Ion:202 Resp: 1142675

Ion Ratio Lower Upper

202 100

200 23.5 17.8 26.6

203 19.7 14.6 21.8



#79

Terphenyl-d14

Concen: 62.372 ng

RT: 20.126 min Scan# 2866

Delta R.T. -0.008 min

Lab File: BG054797.D

Acq: 30 Aug 2022 20:09

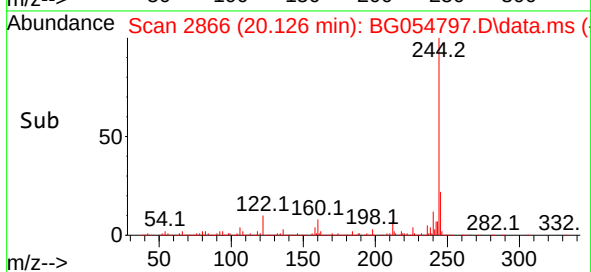
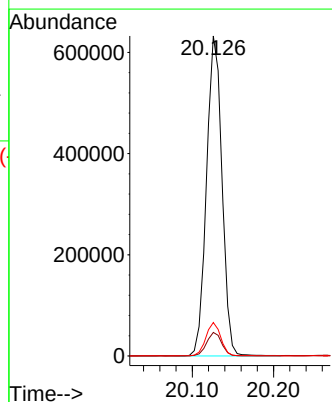
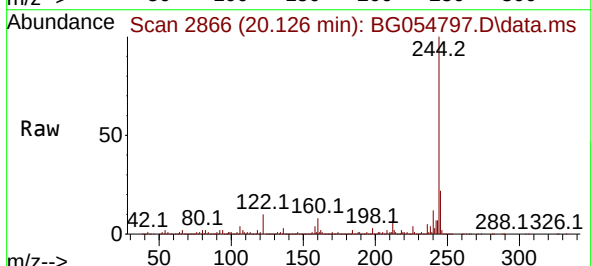
Tgt Ion:244 Resp: 835246

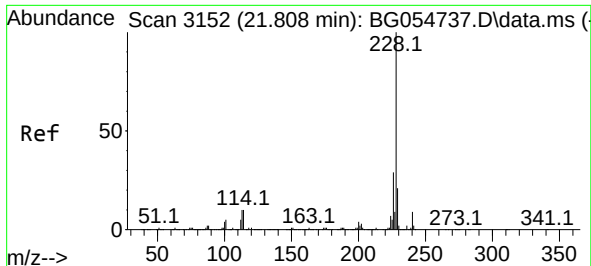
Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

122 10.5 9.0 13.6

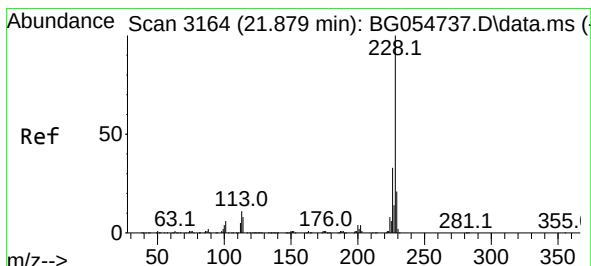
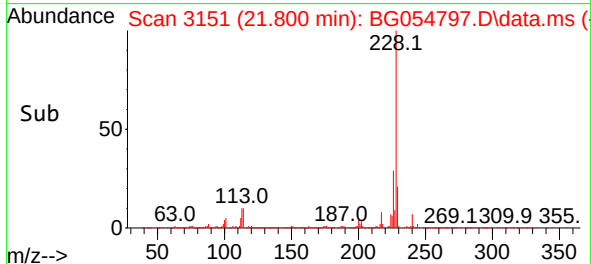
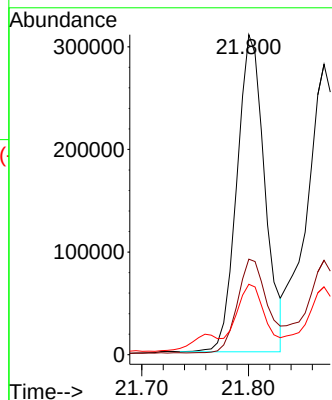
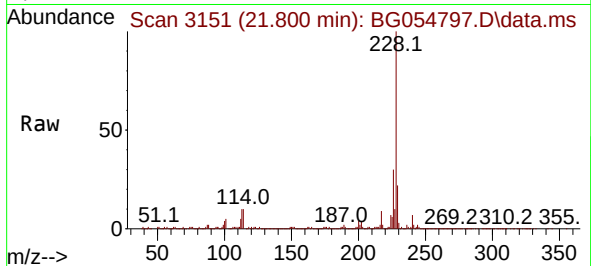




#81
Benzo(a)anthracene
Concen: 31.178 ng
RT: 21.800 min Scan# 3152
Delta R.T. -0.008 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

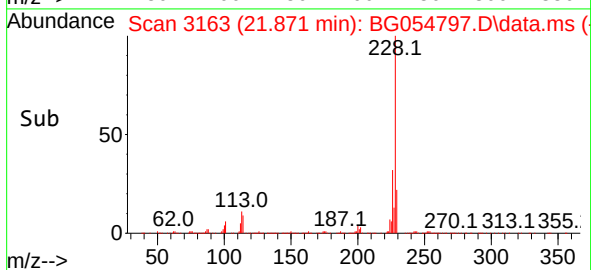
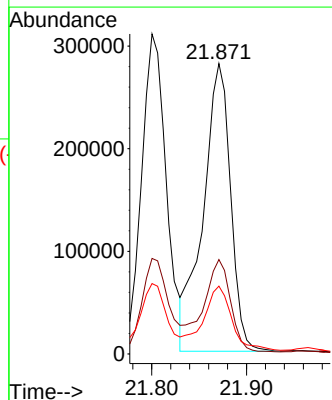
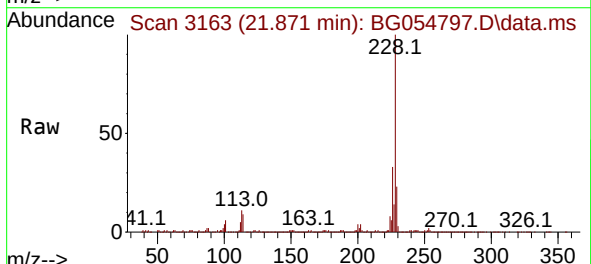
Instrument :
BNA_G
ClientSampleId :
OR-02-082622

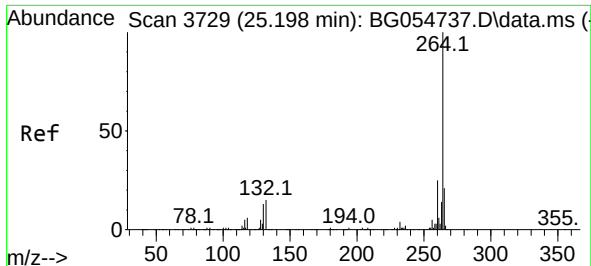
Tgt Ion:228 Resp: 560900
Ion Ratio Lower Upper
228 100
226 29.9 23.4 35.2
229 22.0 16.5 24.7



#83
Chrysene
Concen: 32.938 ng
RT: 21.871 min Scan# 3163
Delta R.T. -0.008 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

Tgt Ion:228 Resp: 566580
Ion Ratio Lower Upper
228 100
226 32.5 25.5 38.3
229 23.4 16.8 25.2

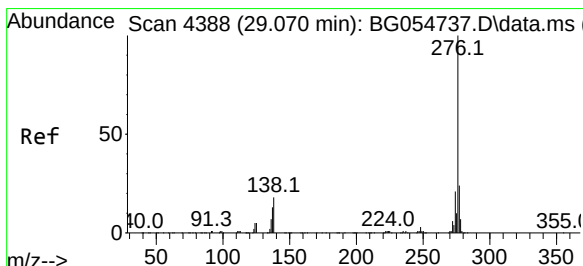
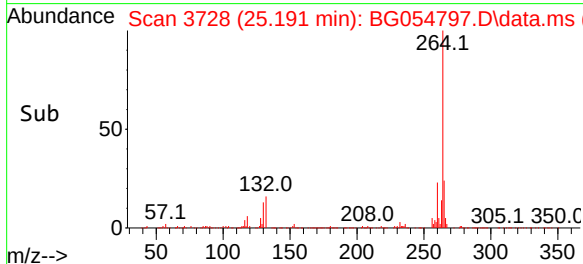
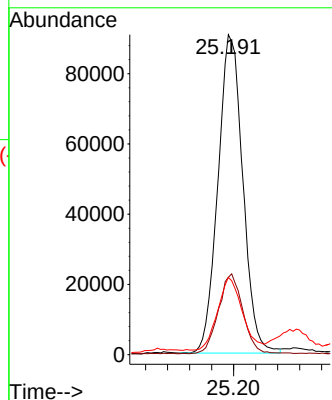
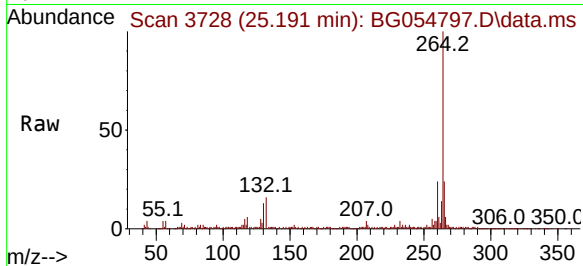




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.191 min Scan# 31
 Delta R.T. -0.008 min
 Lab File: BG054797.D
 Acq: 30 Aug 2022 20:09

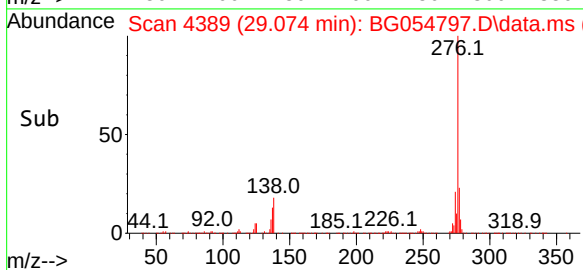
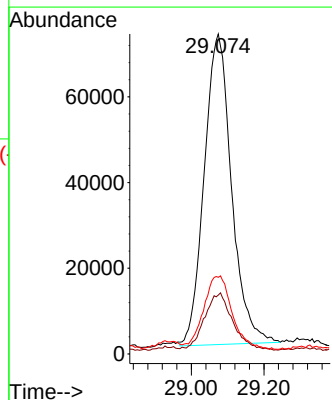
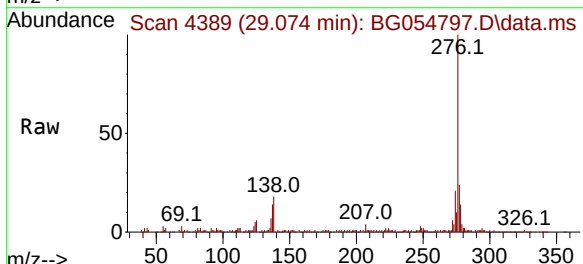
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-082622

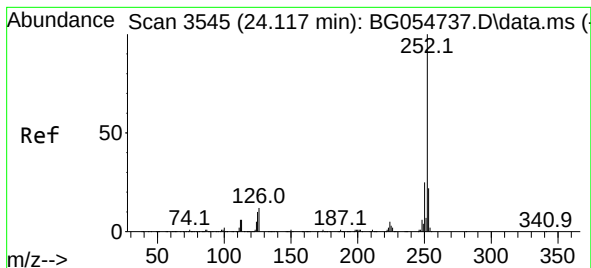
Tgt Ion:264 Resp: 284145
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.9 29.9
 265 24.1 16.9 25.3



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 17.571 ng
 RT: 29.074 min Scan# 4389
 Delta R.T. 0.004 min
 Lab File: BG054797.D
 Acq: 30 Aug 2022 20:09

Tgt Ion:276 Resp: 379032
 Ion Ratio Lower Upper
 276 100
 138 19.1 12.0 18.0#
 277 24.8 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 42.103 ng

RT: 24.121 min Scan# 3

Delta R.T. 0.004 min

Lab File: BG054797.D

Acq: 30 Aug 2022 20:09

Instrument :

BNA_G

ClientSampleId :

OR-02-082622

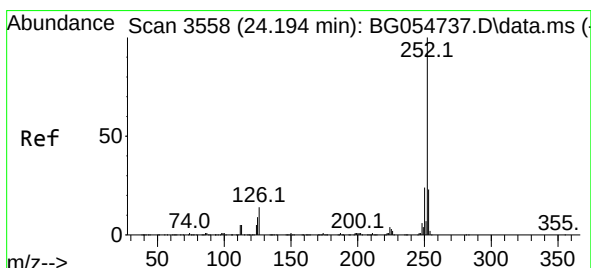
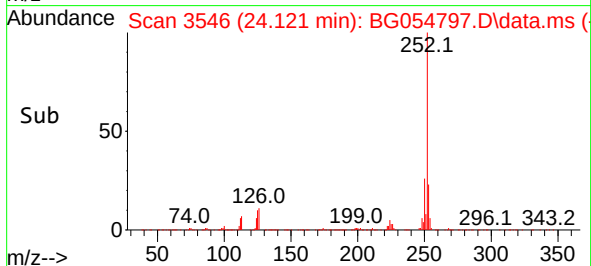
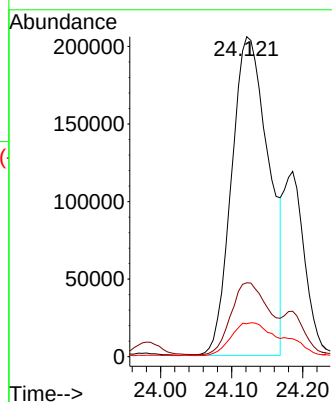
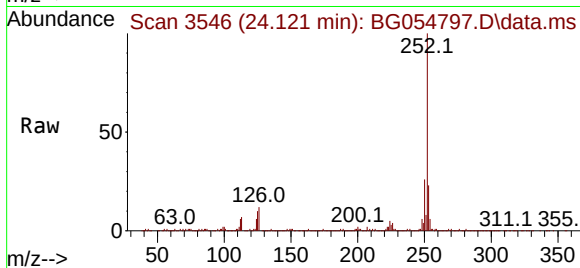
Tgt Ion:252 Resp: 750470

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

125 10.3 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 41.835 ng

RT: 24.121 min Scan# 3546

Delta R.T. -0.072 min

Lab File: BG054797.D

Acq: 30 Aug 2022 20:09

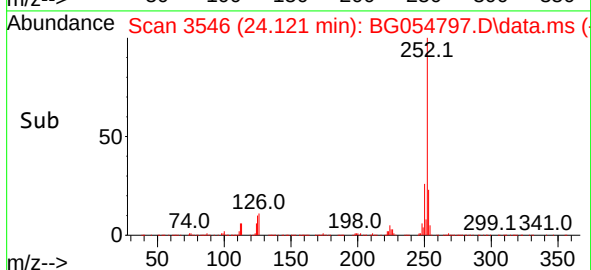
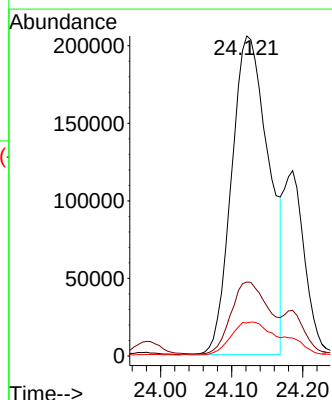
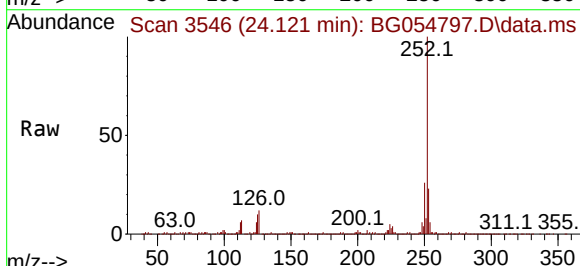
Tgt Ion:252 Resp: 750470

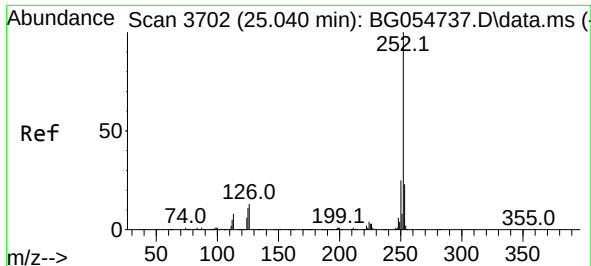
Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 10.3 8.2 12.4

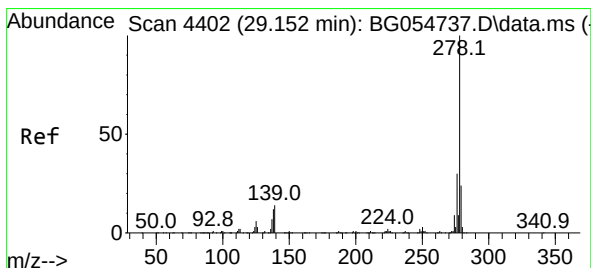
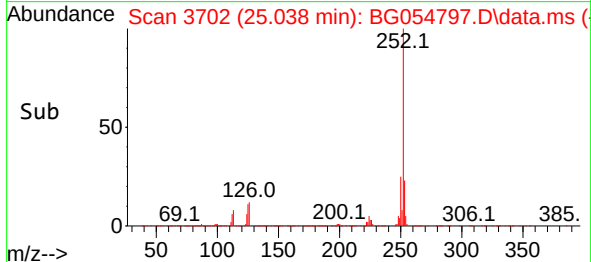
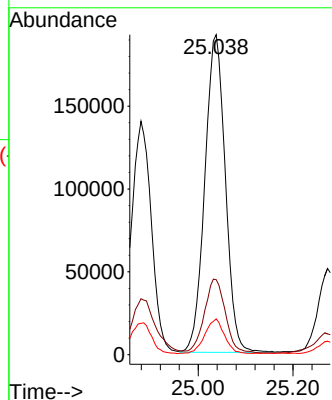
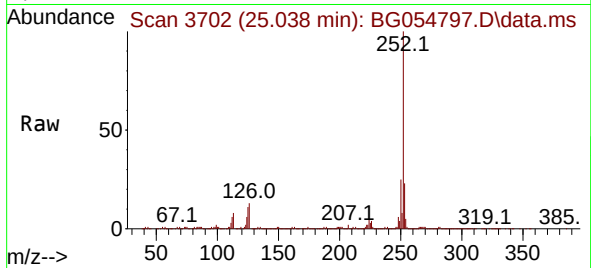




#90
Benzo(a)pyrene
Concen: 37.873 ng
RT: 25.038 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

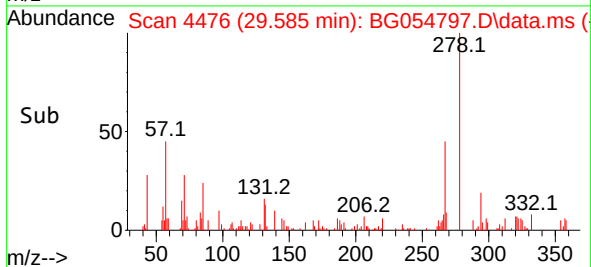
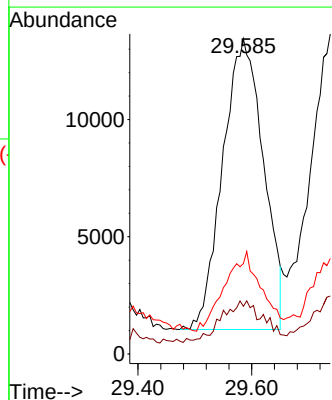
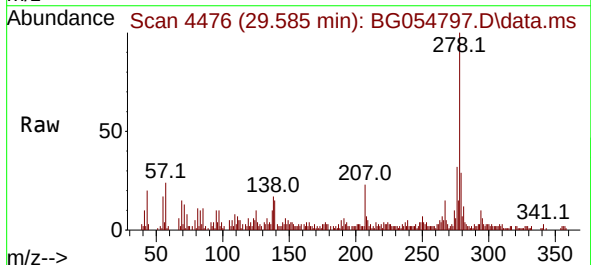
Instrument :
BNA_G
ClientSampleId :
OR-02-082622

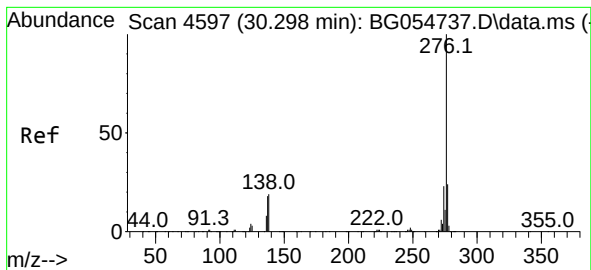
Tgt Ion:252 Resp: 576763
Ion Ratio Lower Upper
252 100
253 23.4 18.3 27.5
125 11.2 8.8 13.2



#91
Dibenzo(a,h)anthracene
Concen: 3.512 ng
RT: 29.585 min Scan# 4476
Delta R.T. 0.433 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

Tgt Ion:278 Resp: 61712
Ion Ratio Lower Upper
278 100
139 15.1 11.4 17.2
279 28.7 19.3 28.9





#92

Benzo(g,h,i)perylene

Concen: 22.939 ng

RT: 30.285 min Scan# 4

Delta R.T. -0.014 min

Lab File: BG054797.D

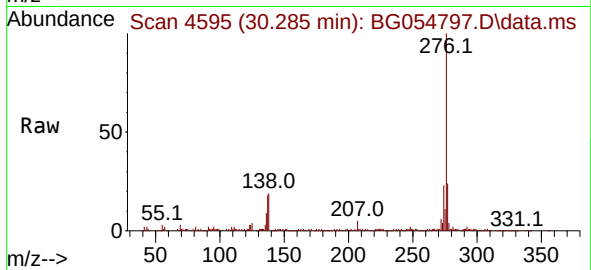
Acq: 30 Aug 2022 20:09

Instrument :

BNA_G

ClientSampleId :

OR-02-082622



Tgt Ion:276 Resp: 407254

Ion Ratio Lower Upper

276 100

277 23.9 19.4 29.0

138 19.1 16.6 25.0

