

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
 Data File : BG054570.D
 Acq On : 9 Aug 2022 15:01
 Operator : CG/JU
 Sample : N4063-05DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5EDL

Quant Time: Aug 09 17:03:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

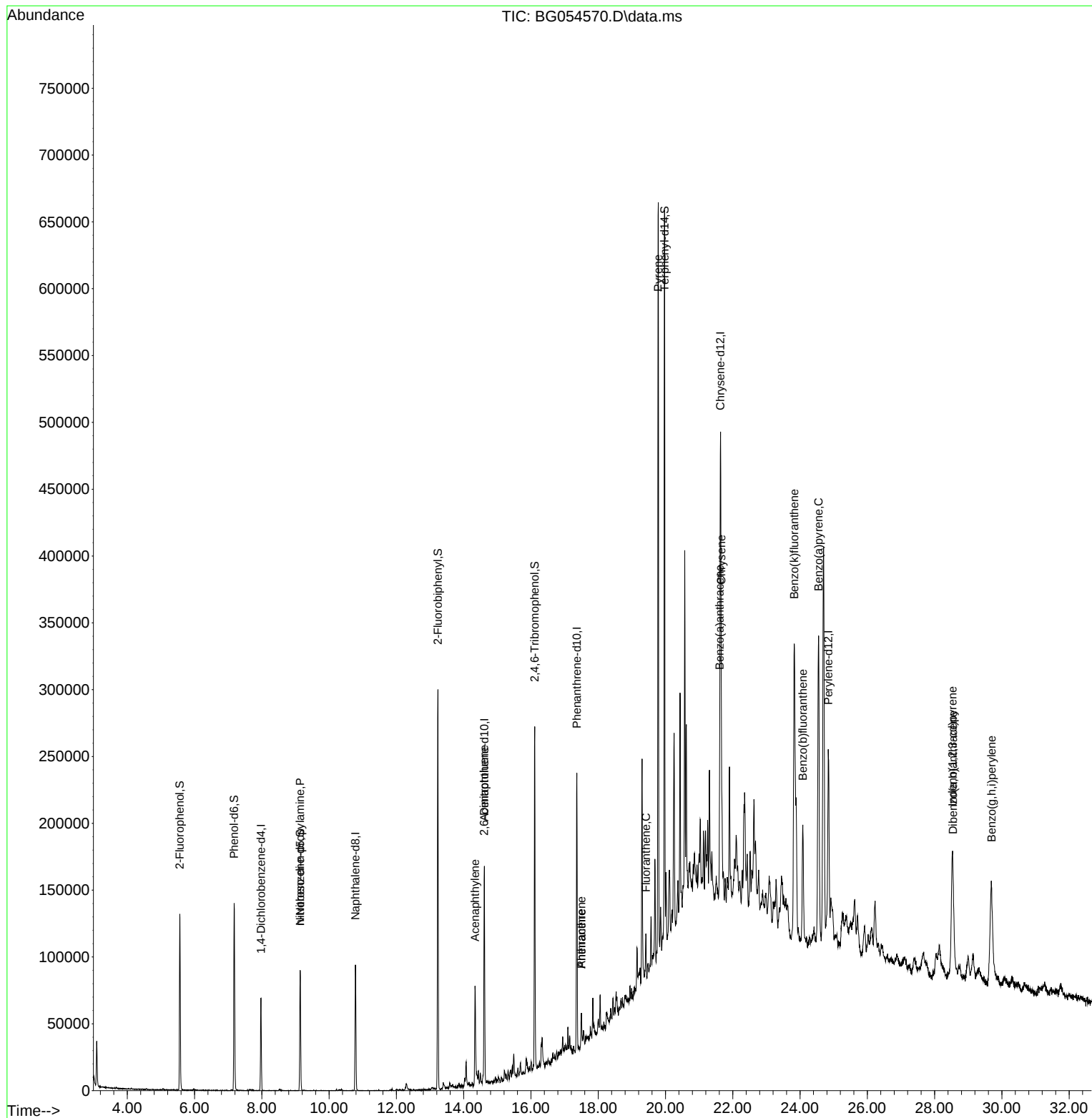
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	21954	20.000	ng	0.00
21) Naphthalene-d8	10.785	136	87104	20.000	ng	# 0.00
39) Acenaphthene-d10	14.615	164	63724	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	149045	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	171940	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	184687	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	61610	58.593	ng	0.00
7) Phenol-d6	7.177	99	85070	59.043	ng	0.00
23) Nitrobenzene-d5	9.139	82	57509	35.954	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	67585	50.513	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	170921	37.838	ng	0.00
79) Terphenyl-d14	19.974	244	330888	38.177	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.139	70	7883	8.193	ng	# 87
49) Acenaphthylene	14.339	152	80914	14.925	ng	98
51) 2,6-Dinitrotoluene	14.610	165	8704	7.972	ng	# 16
71) Phenanthrene	17.500	178	23946	3.226	ng	96
72) Anthracene	17.500	178	23946	3.288	ng	99
75) Fluoranthene	19.422	202	21629	2.138	ng	91
78) Pyrene	19.786	202	401333	40.679	ng	98
81) Benzo(a)anthracene	21.613	228	61239	5.611	ng	# 79
83) Chrysene	21.654	228	134666	13.059	ng	# 76
87) Indeno(1,2,3-cd)pyrene	28.534	276	190056	13.527	ng	97
88) Benzo(b)fluoranthene	24.081	252	114731	10.504	ng	98
89) Benzo(k)fluoranthene	23.828	252	296337	27.262	ng	# 99
90) Benzo(a)pyrene	24.551	252	297394	31.883	ng	99
91) Dibenzo(a,h)anthracene	28.552	278	51547	4.462	ng	99
92) Benzo(g,h,i)perylene	29.692	276	213103	18.689	ng	# 93

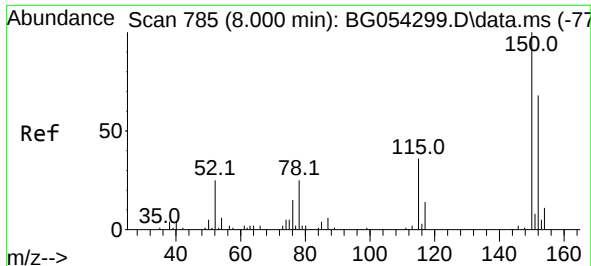
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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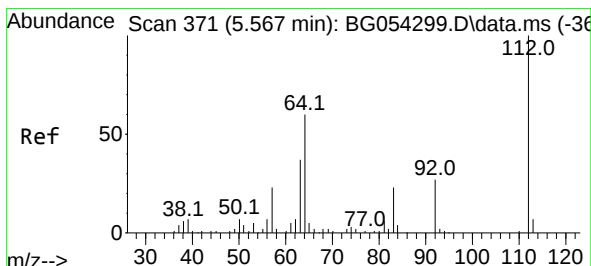
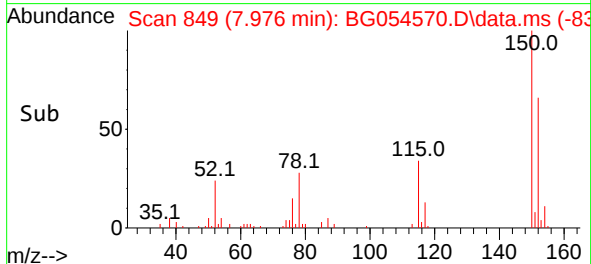
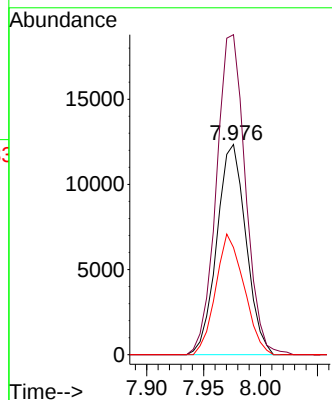
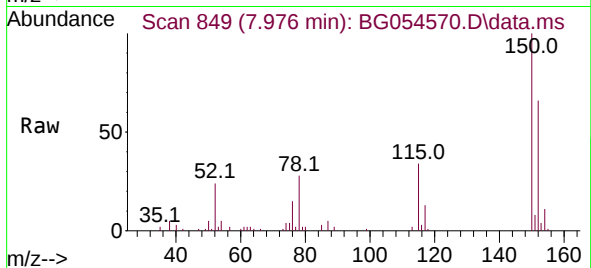




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

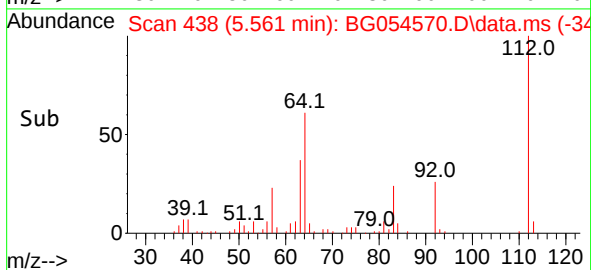
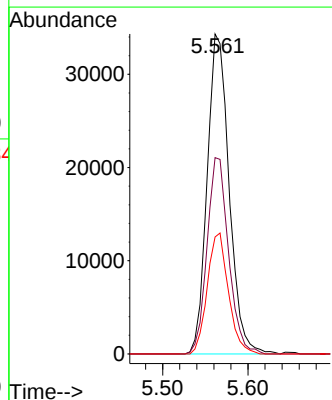
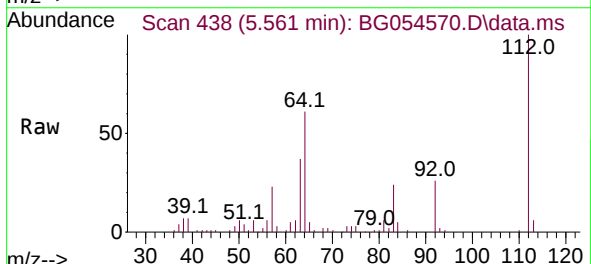
Instrument :
BNA_G
ClientSampleId :
P-5EDL

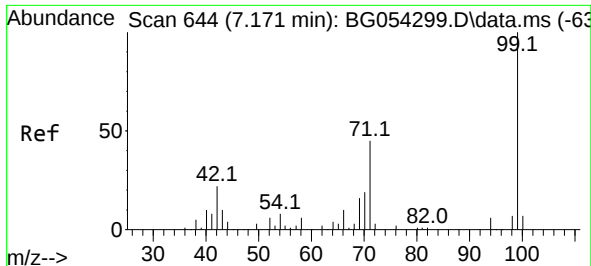
Tgt Ion:152 Resp: 21954
Ion Ratio Lower Upper
152 100
150 152.3 131.6 197.4
115 51.0 50.9 76.3



#5
2-Fluorophenol
Concen: 58.593 ng
RT: 5.561 min Scan# 438
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

Tgt Ion:112 Resp: 61610
Ion Ratio Lower Upper
112 100
64 61.4 55.1 82.7
63 36.5 30.4 45.6

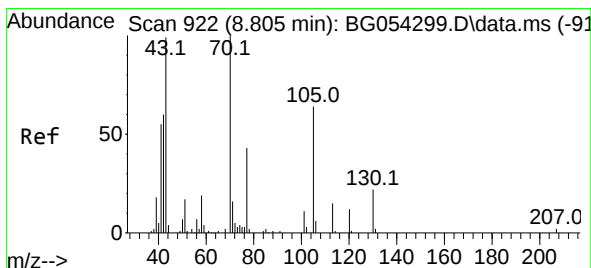
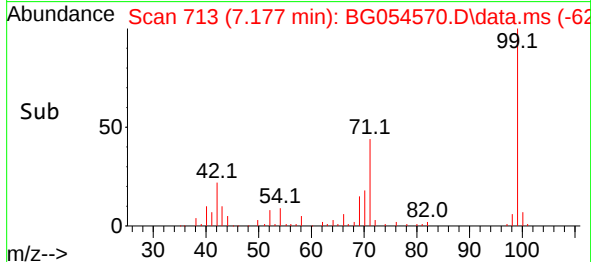
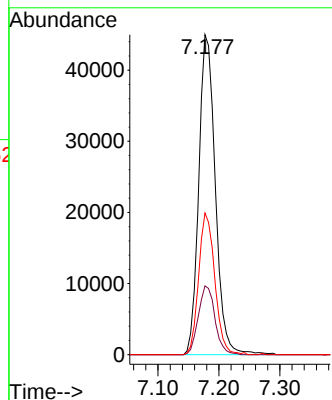
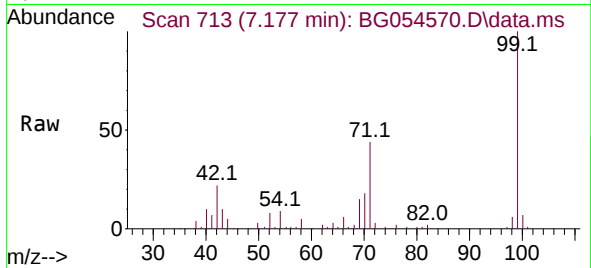




#7
Phenol-d6
Concen: 59.043 ng
RT: 7.177 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

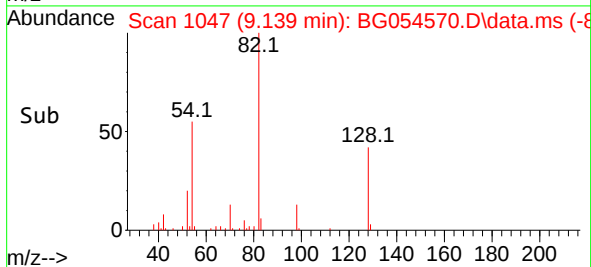
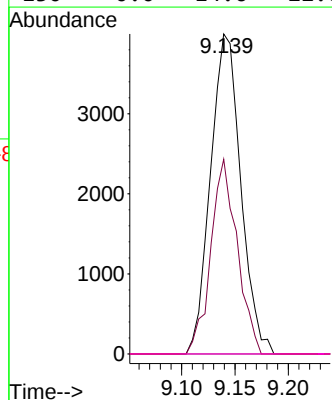
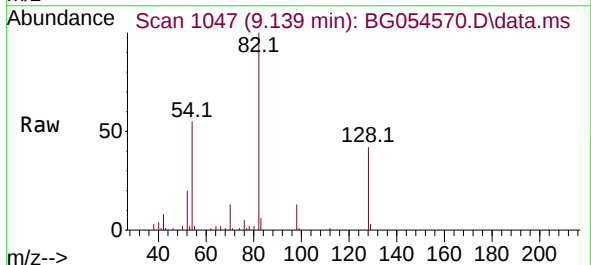
Instrument :
BNA_G
ClientSampleId :
P-5EDL

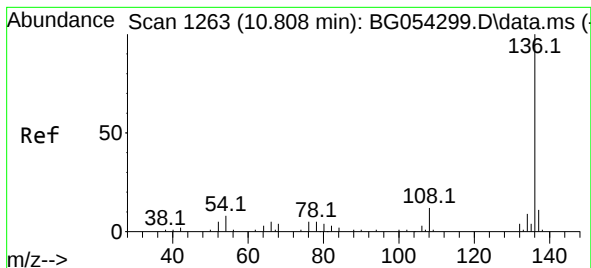
Tgt Ion: 99 Resp: 85070
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 44.3 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 8.193 ng
RT: 9.139 min Scan# 1047
Delta R.T. 0.356 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

Tgt Ion: 70 Resp: 7883
Ion Ratio Lower Upper
70 100
42 60.9 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

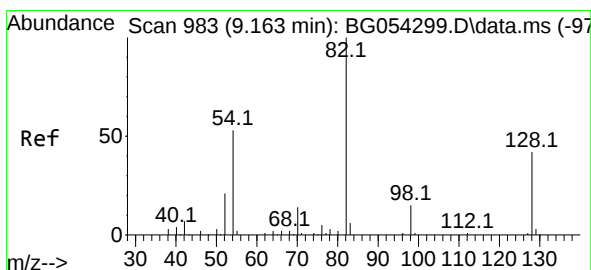
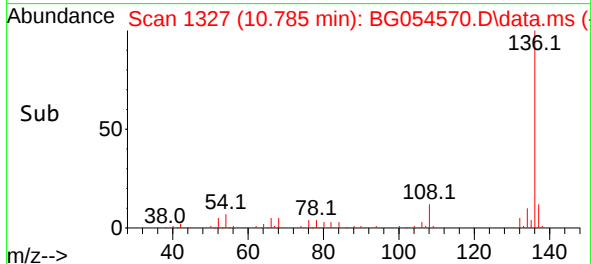
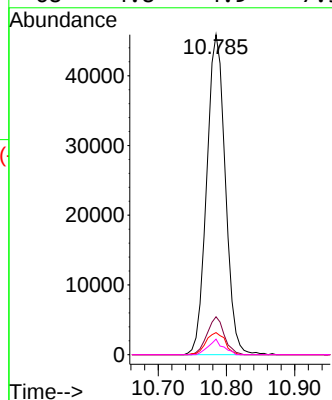
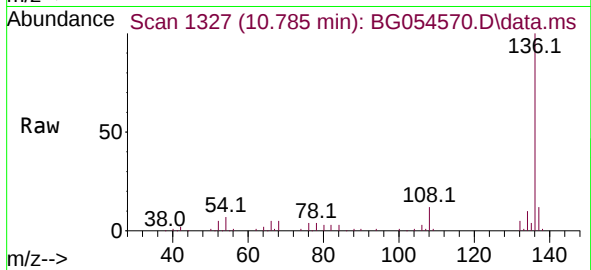




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.785 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

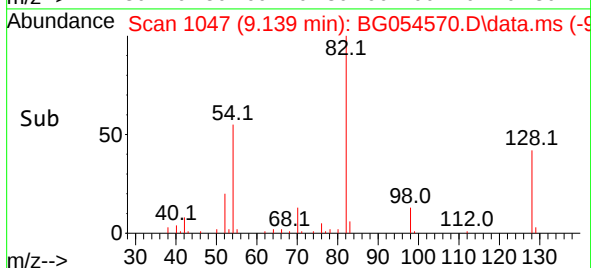
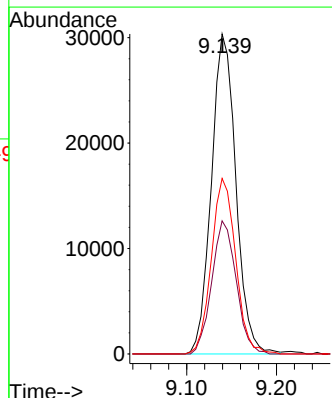
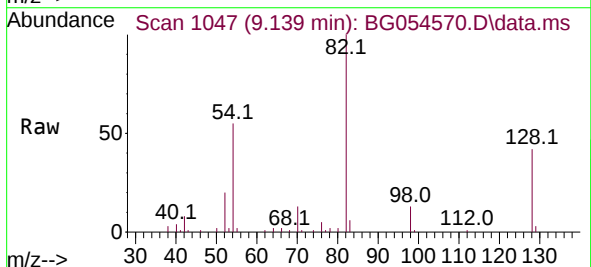
Instrument :
BNA_G
ClientSampleId :
P-5EDL

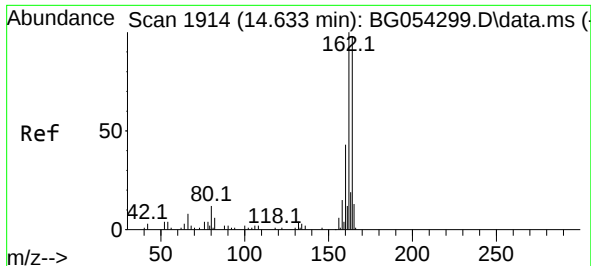
Tgt Ion:	136	Resp:	87104
Ion Ratio	Lower	Upper	
136	100		
137	11.9	8.5	12.7
54	6.9	7.4	11.2#
68	4.8	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 35.954 ng
RT: 9.139 min Scan# 1047
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

Tgt Ion:	82	Resp:	57509
Ion Ratio	Lower	Upper	
82	100		
128	41.6	27.9	41.9
54	54.9	41.2	61.8

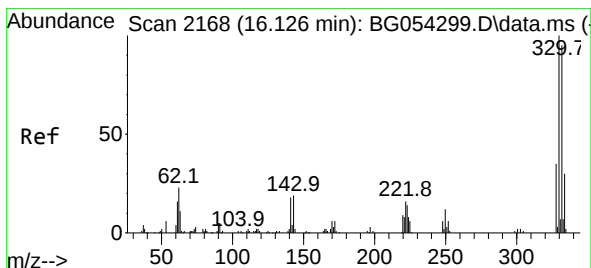
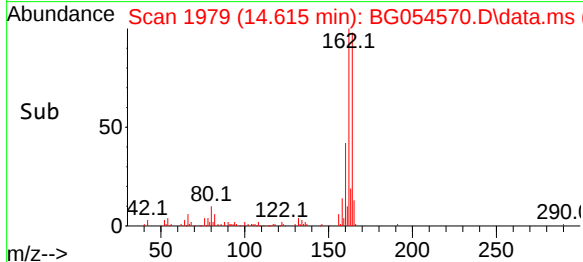
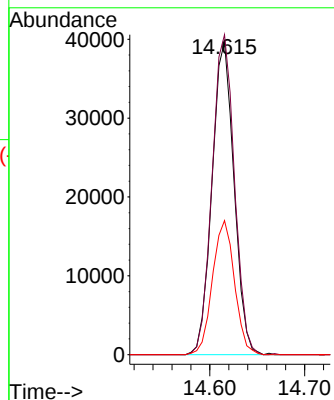
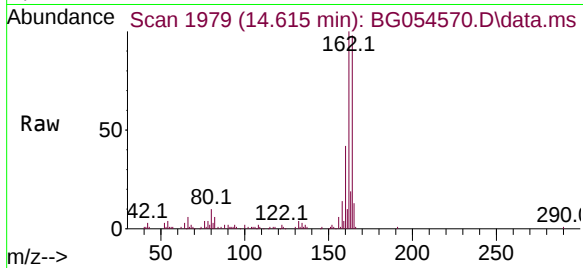




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.615 min Scan# 1914
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

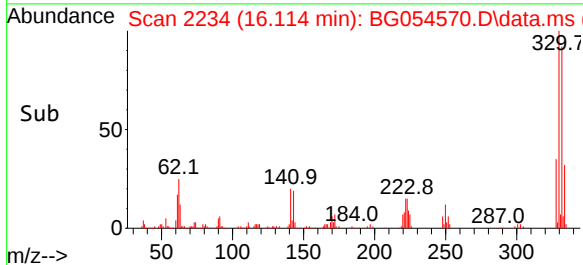
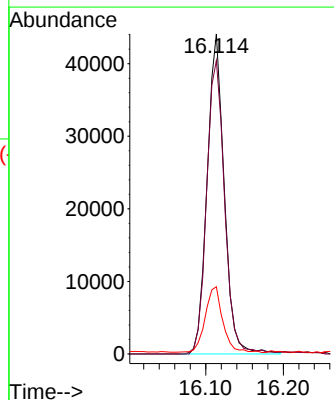
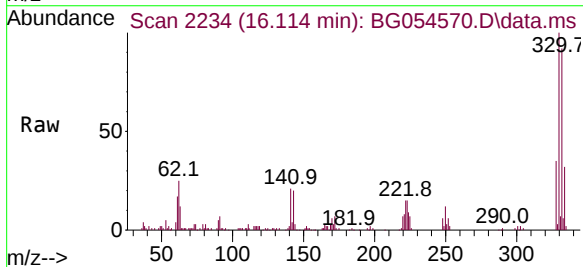
Instrument :
BNA_G
ClientSampleId :
P-5EDL

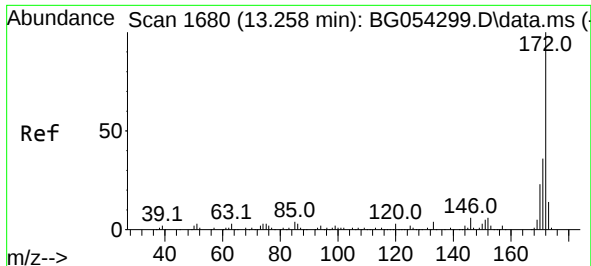
Tgt Ion:164 Resp: 63724
Ion Ratio Lower Upper
164 100
162 102.3 82.3 123.5
160 42.8 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 50.513 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

Tgt Ion:330 Resp: 67585
Ion Ratio Lower Upper
330 100
332 96.0 76.0 114.0
141 21.0 27.1 40.7#

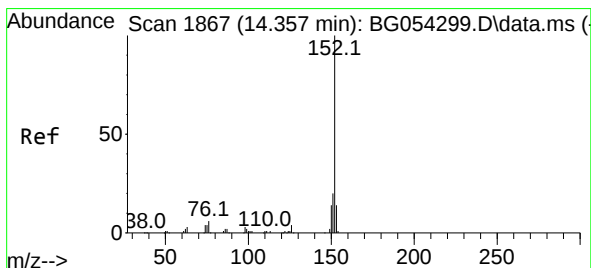
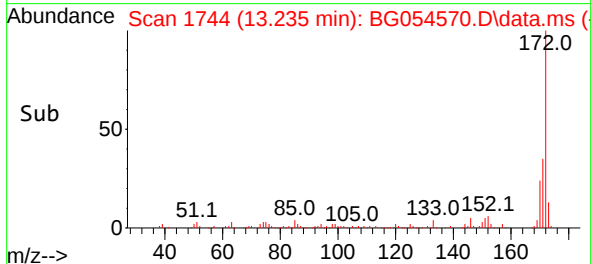
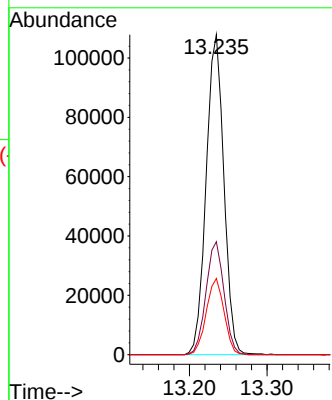
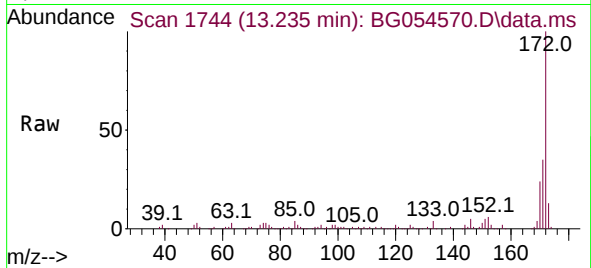




#45
2-Fluorobiphenyl
Concen: 37.838 ng
RT: 13.235 min Scan# 1744
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

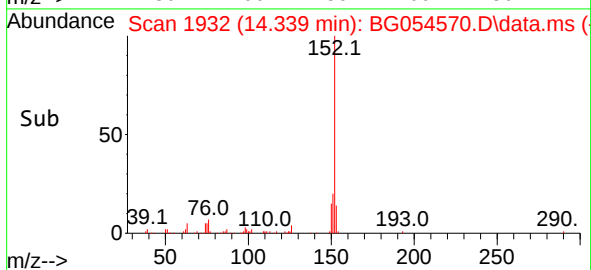
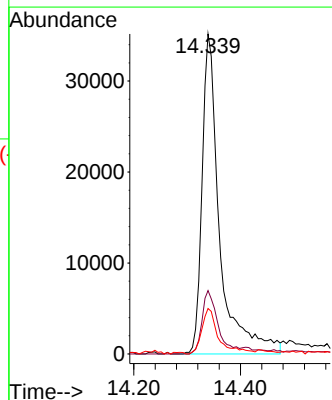
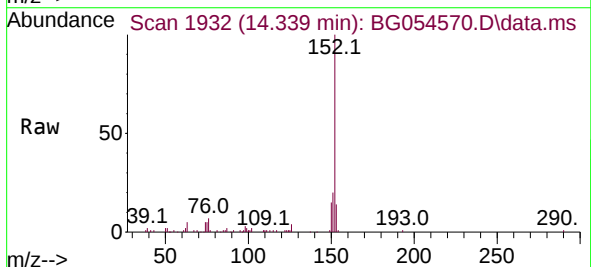
Instrument :
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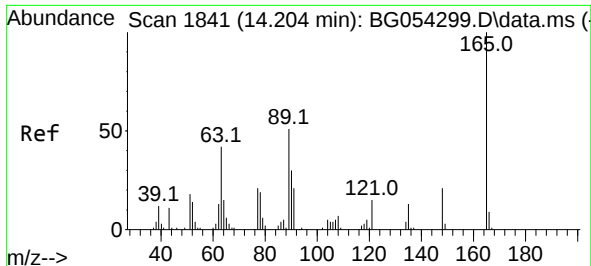
Tgt Ion:172 Resp: 170921
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.8 18.9 28.3



#49
Acenaphthylene
Concen: 14.925 ng
RT: 14.339 min Scan# 1932
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

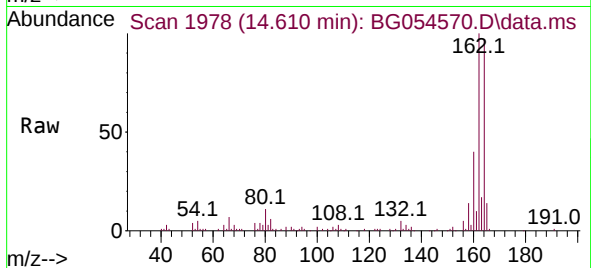
Tgt Ion:152 Resp: 80914
Ion Ratio Lower Upper
152 100
151 19.8 16.4 24.6
153 14.2 10.8 16.2



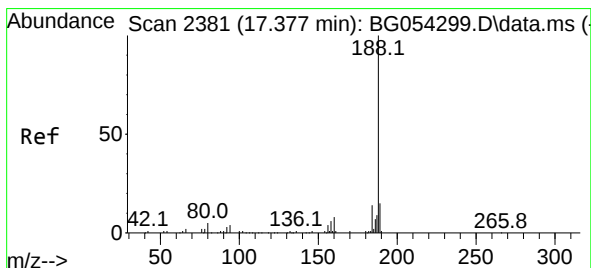
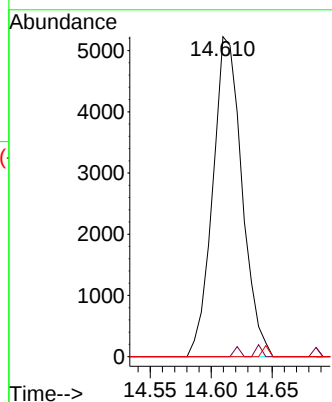
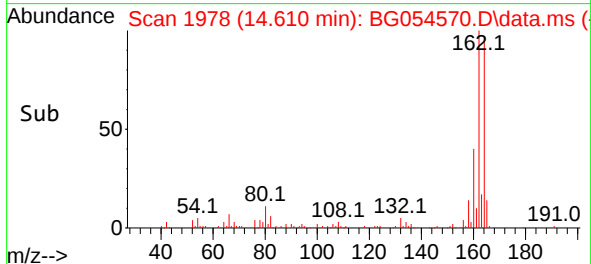


#51
2,6-Dinitrotoluene
Concen: 7.972 ng
RT: 14.610 min Scan# 14
Delta R.T. 0.415 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

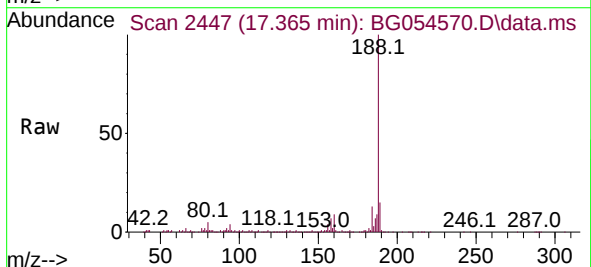
Instrument :
BNA_G
ClientSampleId :
P-5EDL



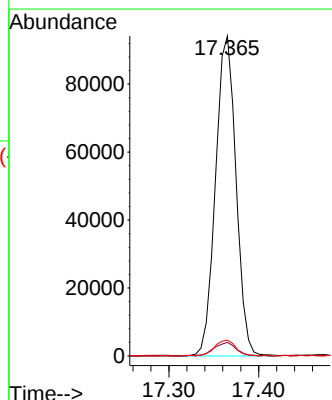
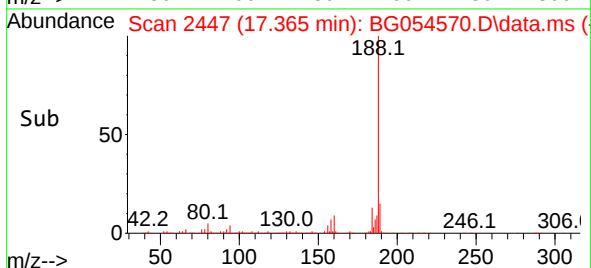
Tgt Ion:165 Resp: 8704
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

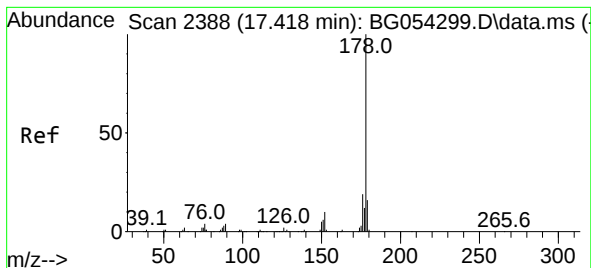


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. 0.004 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01



Tgt Ion:188 Resp: 149045
Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0#
80 4.9 6.8 10.2#





#71

Phenanthrene

Concen: 3.226 ng

RT: 17.500 min Scan# 2470

Delta R.T. 0.092 min

Lab File: BG054570.D

Acq: 9 Aug 2022 15:01

Instrument :

BNA_G

ClientSampleId :

P-5EDL

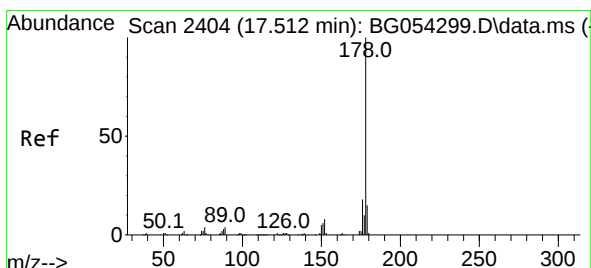
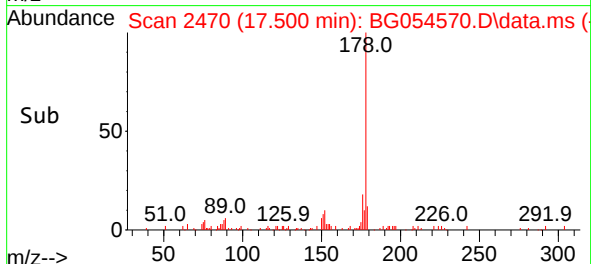
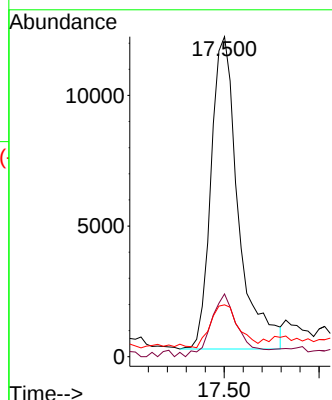
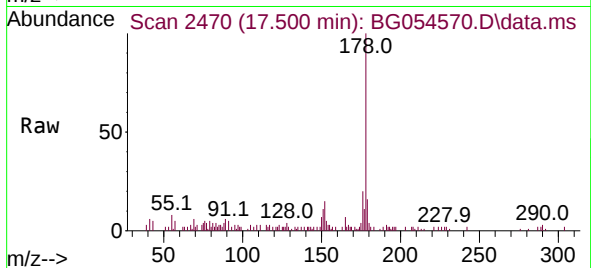
Tgt Ion:178 Resp: 23946

Ion Ratio Lower Upper

178 100

176 19.6 14.1 21.1

179 16.2 12.1 18.1



#72

Anthracene

Concen: 3.288 ng

RT: 17.500 min Scan# 2470

Delta R.T. 0.004 min

Lab File: BG054570.D

Acq: 9 Aug 2022 15:01

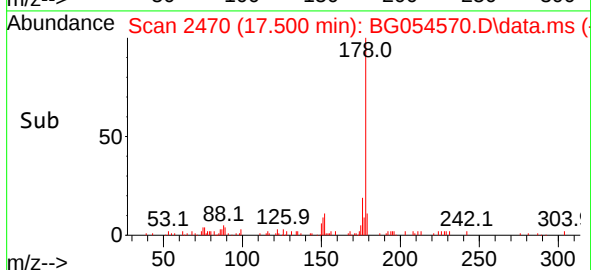
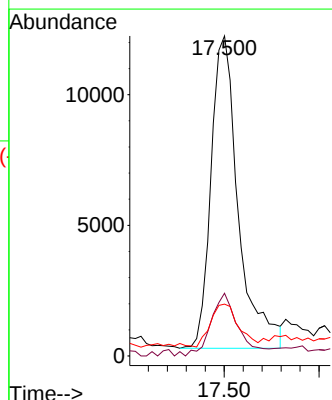
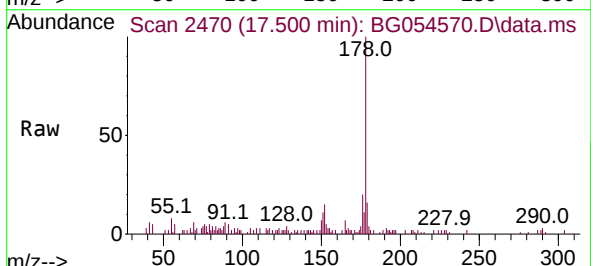
Tgt Ion:178 Resp: 23946

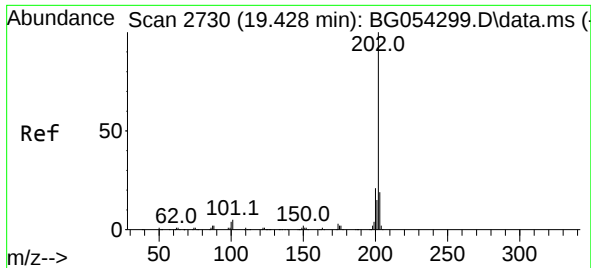
Ion Ratio Lower Upper

178 100

176 19.6 15.2 22.8

179 16.2 13.0 19.4

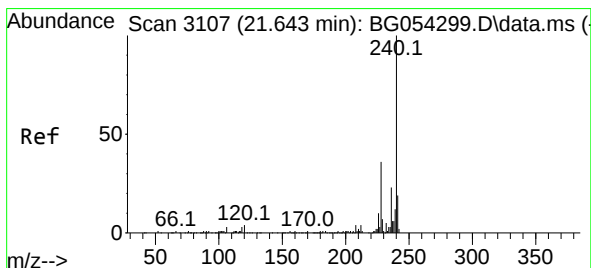
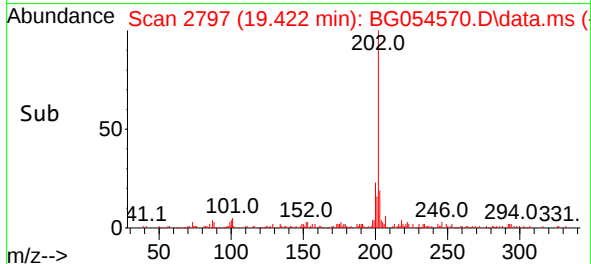
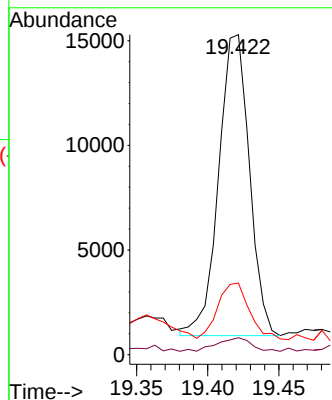
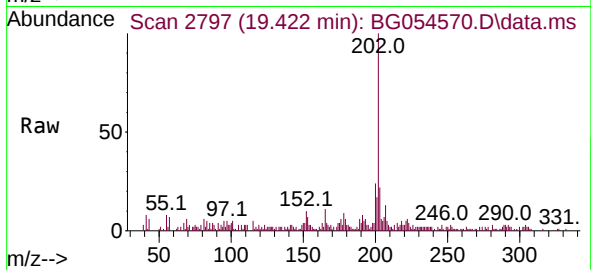




#75
Fluoranthene
Concen: 2.138 ng
RT: 19.422 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

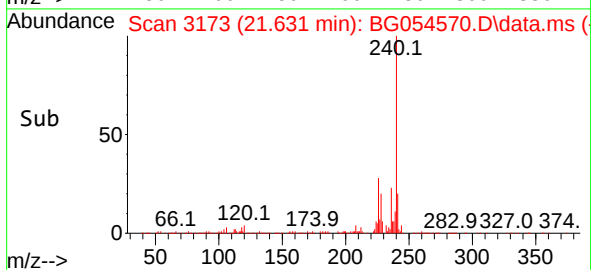
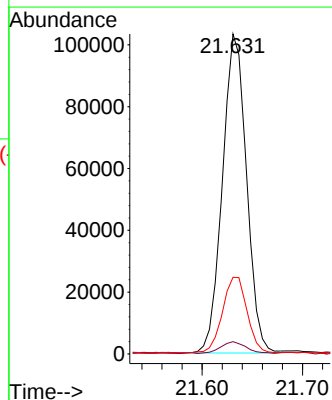
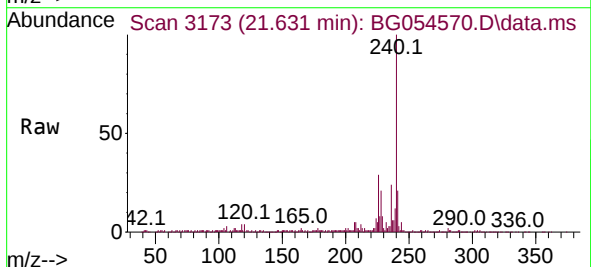
Instrument :
BNA_G
ClientSampleId :
P-5EDL

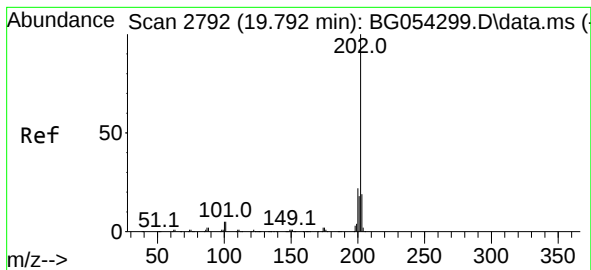
Tgt Ion:202 Resp: 21629
Ion Ratio Lower Upper
202 100
101 6.3 0.0 26.9
203 22.4 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3173
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

Tgt Ion:240 Resp: 171940
Ion Ratio Lower Upper
240 100
120 3.9 4.6 7.0#
236 24.0 20.2 30.4





#78

Pyrene

Concen: 40.679 ng

RT: 19.786 min Scan# 2859

Delta R.T. 0.004 min

Lab File: BG054570.D

Acq: 9 Aug 2022 15:01

Instrument :

BNA_G

ClientSampleId :

P-5EDL

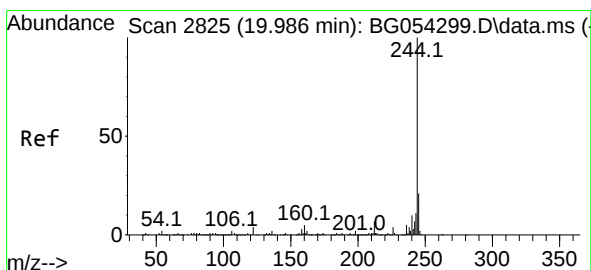
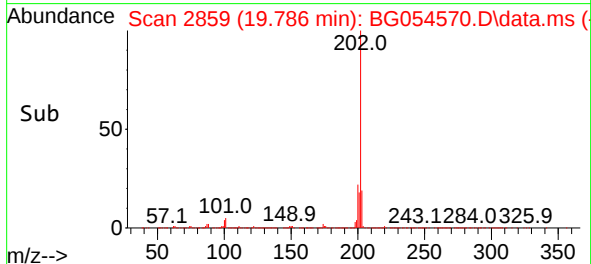
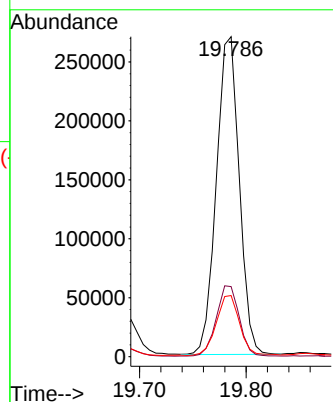
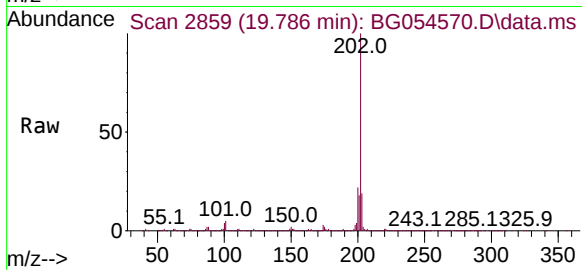
Tgt Ion:202 Resp: 401333

Ion Ratio Lower Upper

202 100

200 21.9 16.6 24.8

203 19.1 14.6 21.8



#79

Terphenyl-d14

Concen: 38.177 ng

RT: 19.974 min Scan# 2891

Delta R.T. 0.004 min

Lab File: BG054570.D

Acq: 9 Aug 2022 15:01

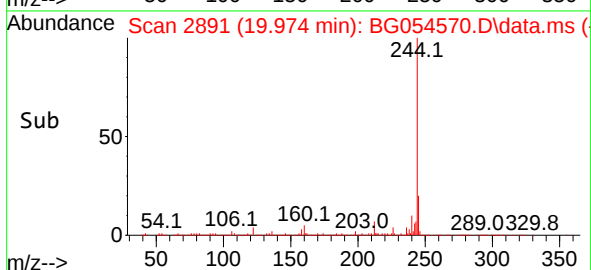
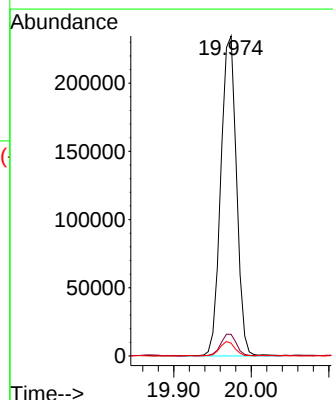
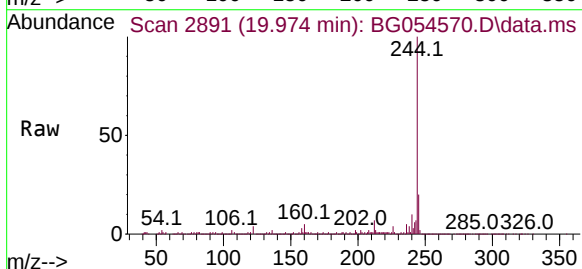
Tgt Ion:244 Resp: 330888

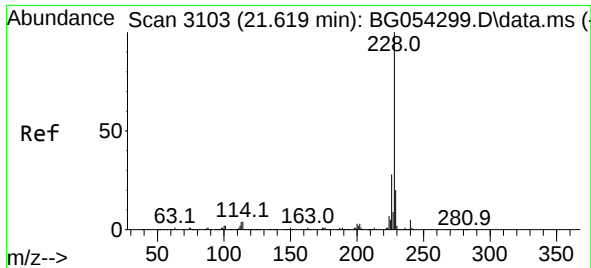
Ion Ratio Lower Upper

244 100

212 6.8 6.5 9.7

122 4.0 5.0 7.4#

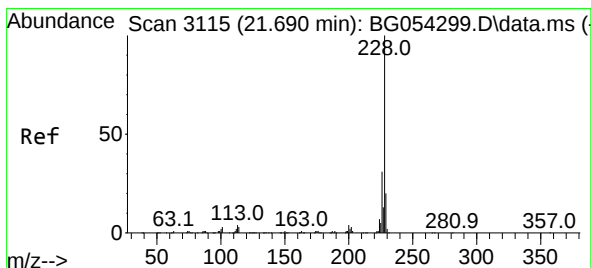
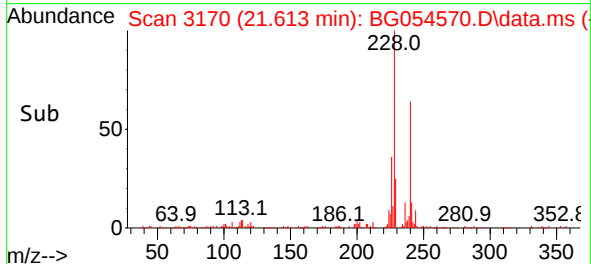
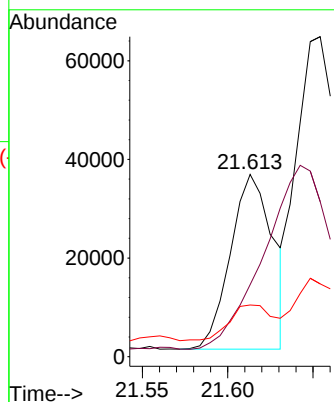
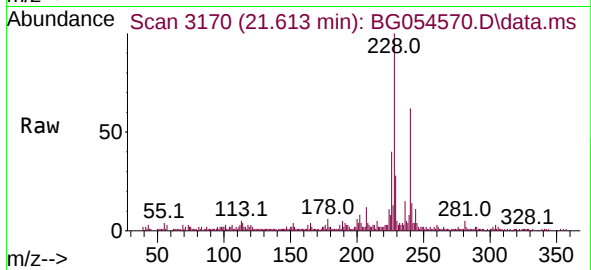




#81
Benzo(a)anthracene
Concen: 5.611 ng
RT: 21.613 min Scan# 3170
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

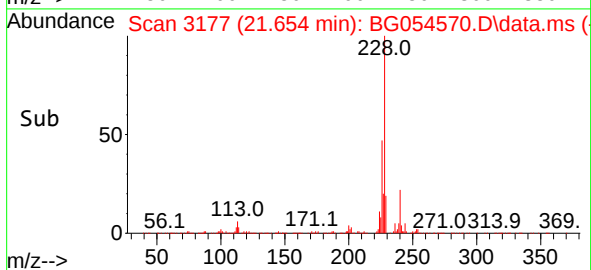
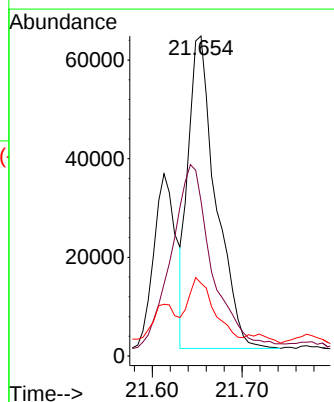
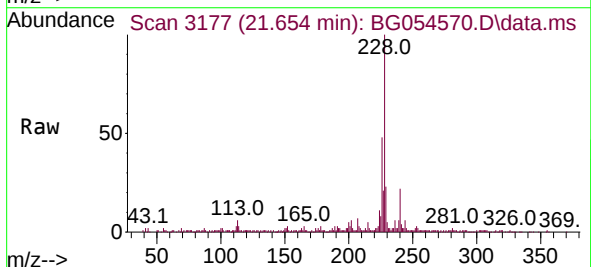
Instrument :
BNA_G
ClientSampleId :
P-5EDL

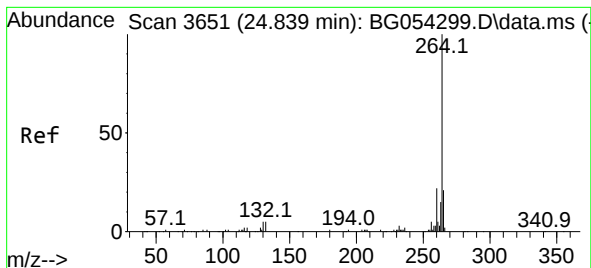
Tgt Ion:228 Resp: 61239
Ion Ratio Lower Upper
228 100
226 39.5 21.6 32.4#
229 28.3 16.2 24.2#



#83
Chrysene
Concen: 13.059 ng
RT: 21.654 min Scan# 3177
Delta R.T. -0.026 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

Tgt Ion:228 Resp: 134666
Ion Ratio Lower Upper
228 100
226 48.5 23.4 35.2#
229 22.8 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.839 min Scan# 31

Delta R.T. 0.004 min

Lab File: BG054570.D

Acq: 9 Aug 2022 15:01

Instrument :

BNA_G

ClientSampleId :

P-5EDL

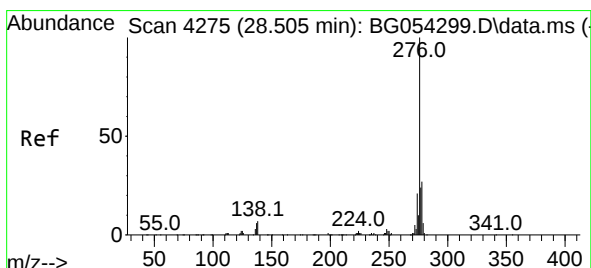
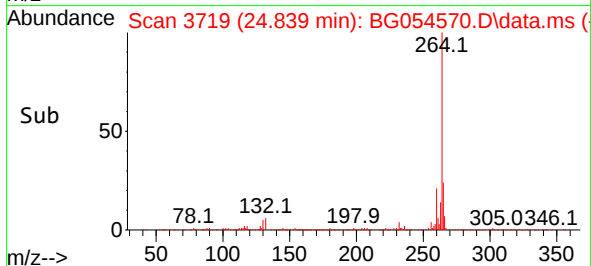
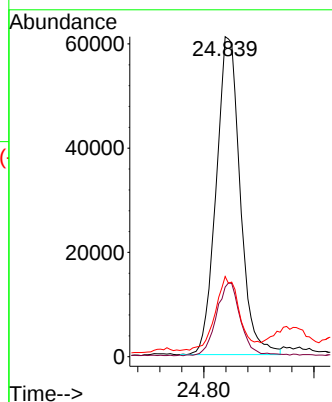
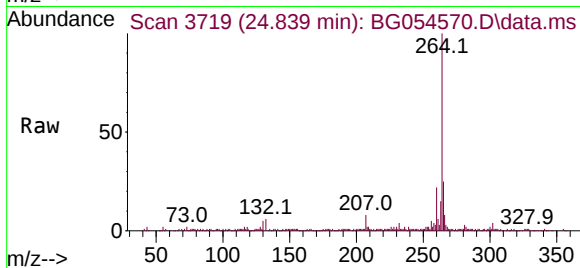
Tgt Ion:264 Resp: 184687

Ion Ratio Lower Upper

264 100

260 21.7 19.0 28.6

265 25.1 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.527 ng

RT: 28.534 min Scan# 4348

Delta R.T. 0.004 min

Lab File: BG054570.D

Acq: 9 Aug 2022 15:01

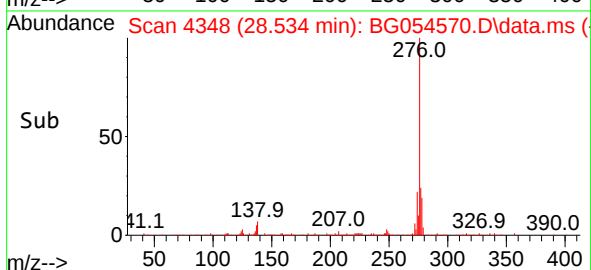
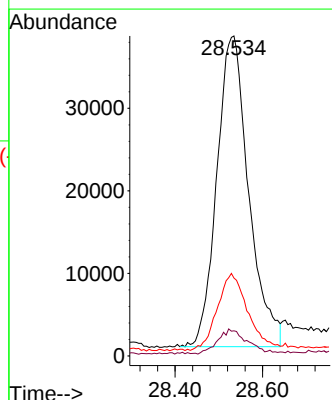
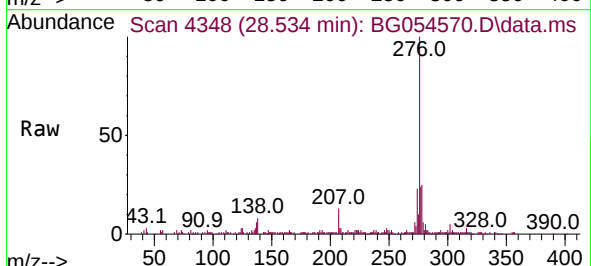
Tgt Ion:276 Resp: 190056

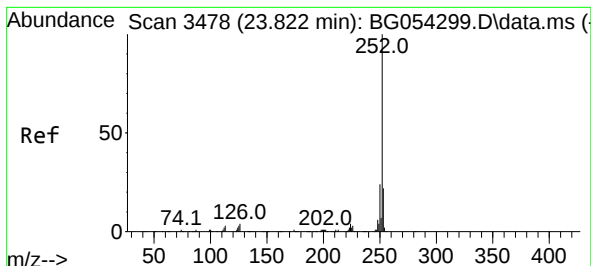
Ion Ratio Lower Upper

276 100

138 7.3 5.0 7.4

277 23.8 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 10.504 ng

RT: 24.081 min Scan# 31

Delta R.T. 0.262 min

Lab File: BG054570.D

Acq: 9 Aug 2022 15:01

Instrument :

BNA_G

ClientSampleId :

P-5EDL

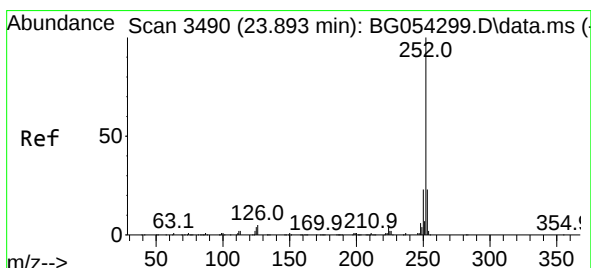
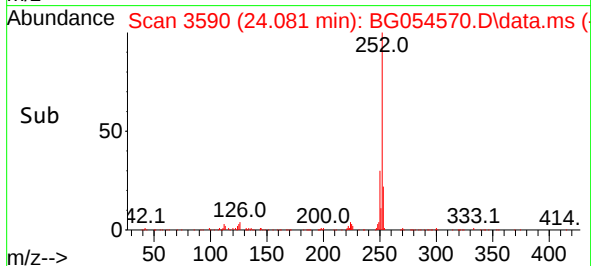
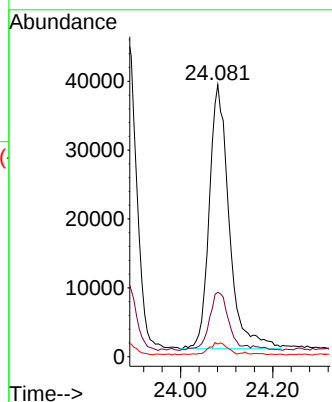
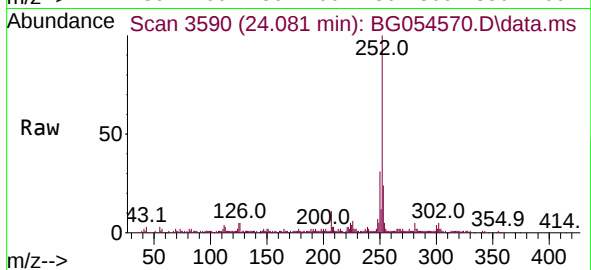
Tgt Ion:252 Resp: 114731

Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

125 4.7 4.6 6.8



#89

Benzo(k)fluoranthene

Concen: 27.262 ng

RT: 23.828 min Scan# 3547

Delta R.T. -0.055 min

Lab File: BG054570.D

Acq: 9 Aug 2022 15:01

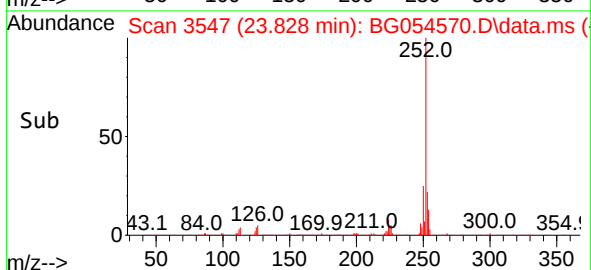
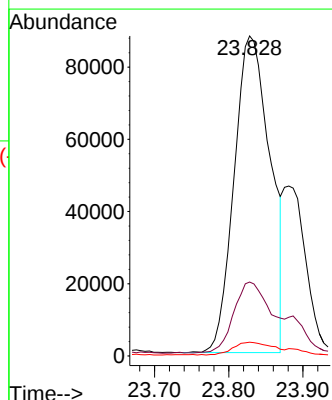
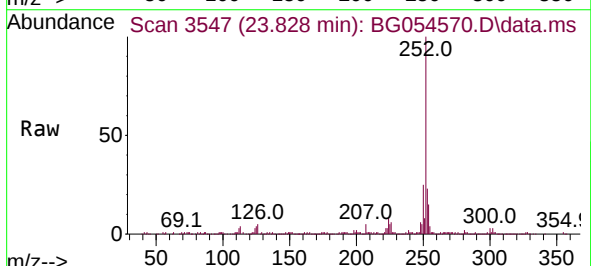
Tgt Ion:252 Resp: 296337

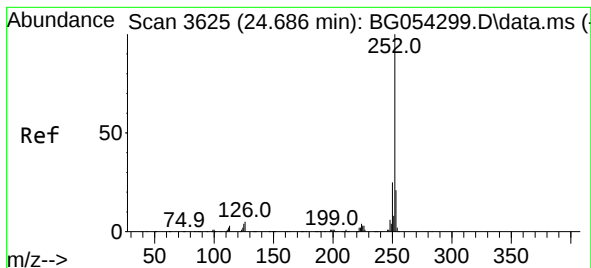
Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

125 4.3 4.8 7.2#





#90

Benzo(a)pyrene

Concen: 31.883 ng

RT: 24.551 min Scan# 3

Delta R.T. -0.137 min

Lab File: BG054570.D

Acq: 9 Aug 2022 15:01

Instrument :

BNA_G

ClientSampleId :

P-5EDL

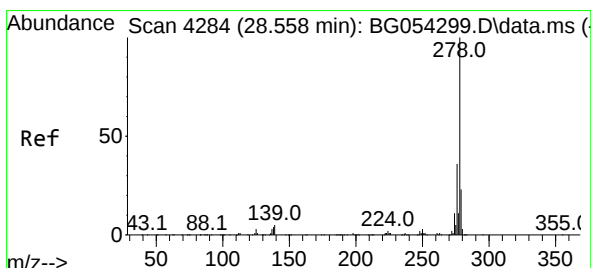
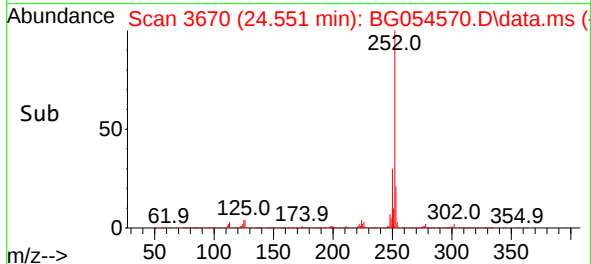
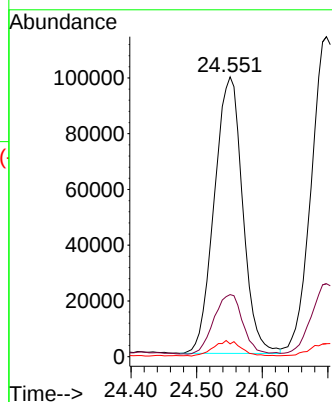
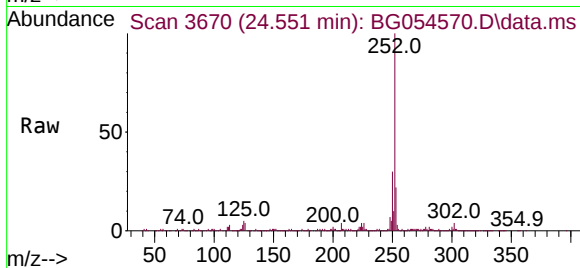
Tgt Ion:252 Resp: 297394

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 4.6 4.3 6.5



#91

Dibenzo(a,h)anthracene

Concen: 4.462 ng

RT: 28.552 min Scan# 4351

Delta R.T. -0.020 min

Lab File: BG054570.D

Acq: 9 Aug 2022 15:01

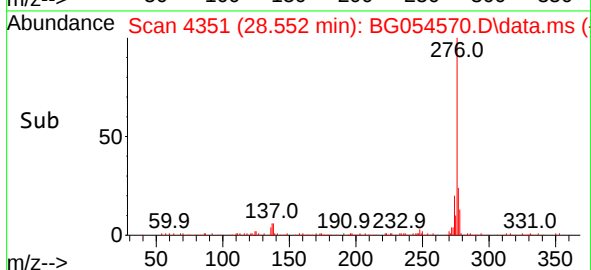
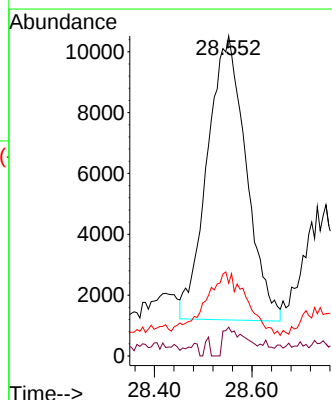
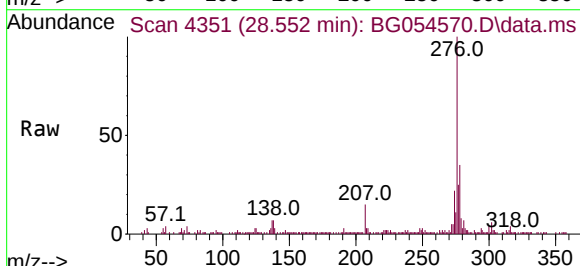
Tgt Ion:278 Resp: 51547

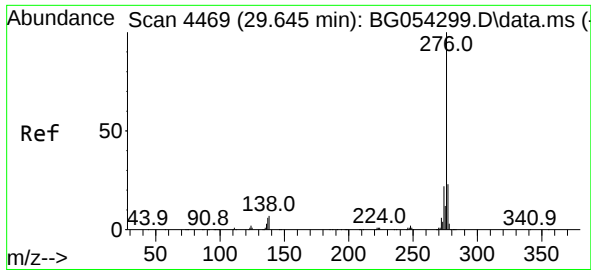
Ion Ratio Lower Upper

278 100

139 9.0 7.2 10.8

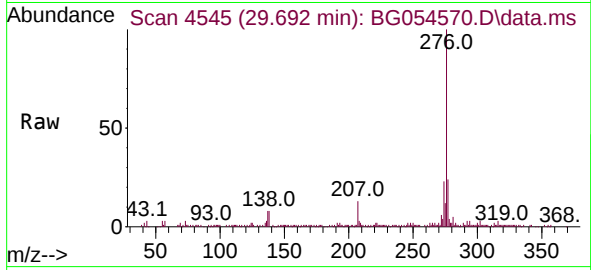
279 22.7 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 18.689 ng
 RT: 29.692 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: BG054570.D
 Acq: 9 Aug 2022 15:01

Instrument :
 BNA_G
 ClientSampleId :
 P-5EDL



Tgt Ion:276 Resp: 213103
 Ion Ratio Lower Upper
 276 100
 277 23.8 17.3 25.9
 138 8.0 9.6 14.4#

