

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
 Data File : BG054110.D
 Acq On : 28 Jun 2022 2:59
 Operator : CG/JU
 Sample : N3494-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-EXC-3

Quant Time: Jun 28 05:01:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

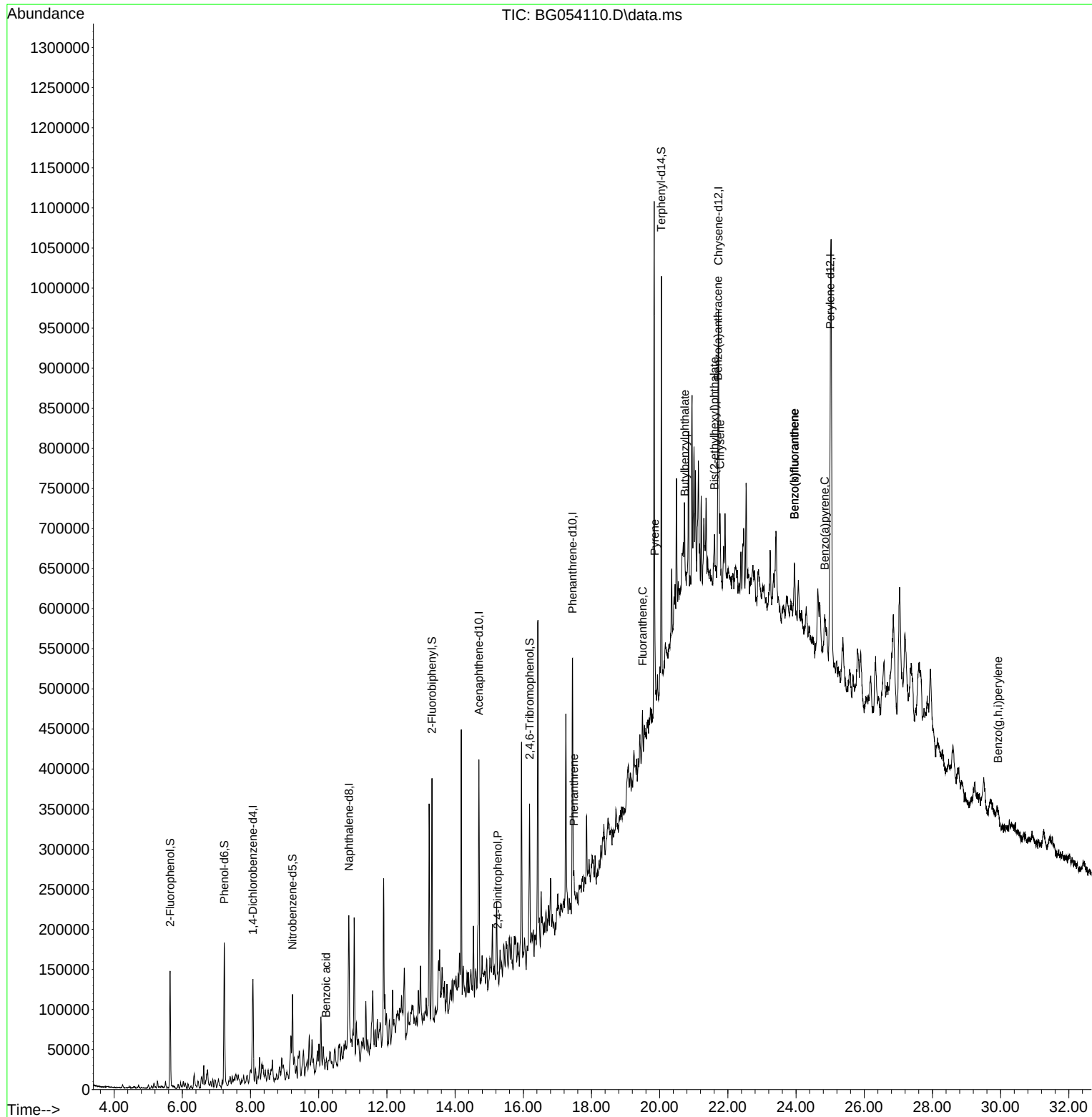
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.070	152	36348	20.000	ng	0.00
21) Naphthalene-d8	10.885	136	144199	20.000	ng	0.00
39) Acenaphthene-d10	14.698	164	96312	20.000	ng	0.00
64) Phenanthrene-d10	17.448	188	206545	20.000	ng	0.00
76) Chrysene-d12	21.725	240	212162	20.000	ng	0.00
86) Perylene-d12	25.004	264	227395	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.644	112	72715	38.248	ng	0.00
7) Phenol-d6	7.236	99	97457	37.788	ng	0.00
23) Nitrobenzene-d5	9.234	82	67219	26.196	ng	0.00
42) 2,4,6-Tribromophenol	16.185	330	44314	28.637	ng	0.00
45) 2-Fluorobiphenyl	13.323	172	165742	25.024	ng	0.00
79) Terphenyl-d14	20.051	244	271478	25.772	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.215	122	55	11.338	ng	# 19
54) 2,4-Dinitrophenol	15.250	184	417	7.516	ng	98
71) Phenanthrene	17.489	178	23531	2.217	ng	# 83
75) Fluoranthene	19.498	202	40594	2.914	ng	89
78) Pyrene	19.857	202	60005	4.683	ng	# 92
80) Butylbenzylphthalate	20.738	149	9576	2.331	ng	# 78
81) Benzo(a)anthracene	21.707	228	58192	4.236	ng	# 85
83) Chrysene	21.772	228	83471	6.375	ng	# 85
84) Bis(2-ethylhexyl)phtha...	21.608	149	17985	3.062	ng	# 86
88) Benzo(b)fluoranthene	23.958	252	83008	6.004	ng	# 73
89) Benzo(k)fluoranthene	23.958	252	83008	6.064	ng	# 74
90) Benzo(a)pyrene	24.845	252	59660	5.114	ng	# 73
92) Benzo(g,h,i)perylene	29.921	276	48180	3.440	ng	# 75

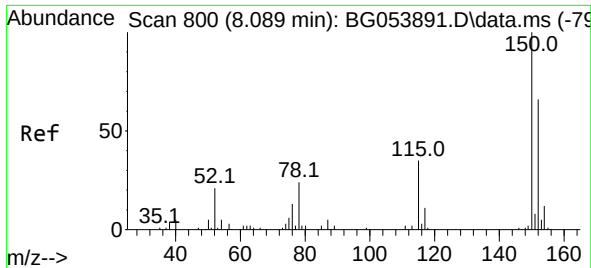
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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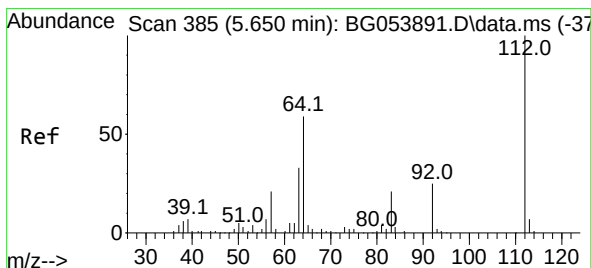
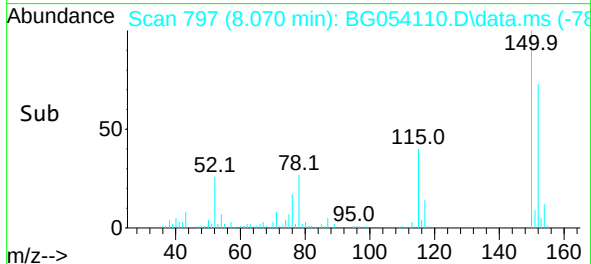
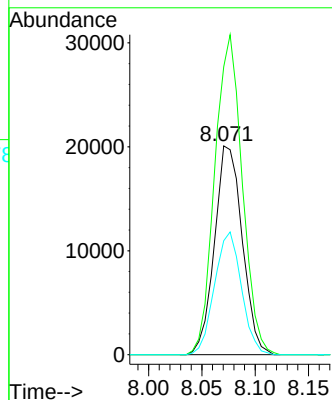
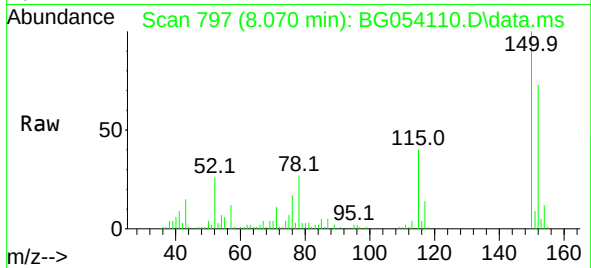




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.070 min Scan# 79
Delta R.T. 0.000 min
Lab File: BG054110.D
Acq: 28 Jun 2022 2:59

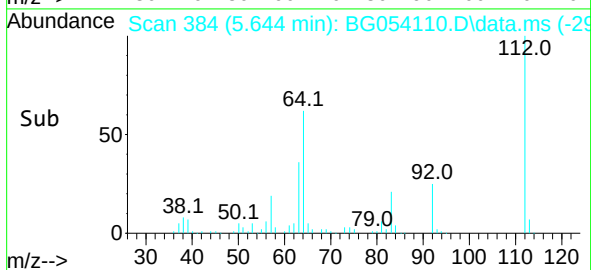
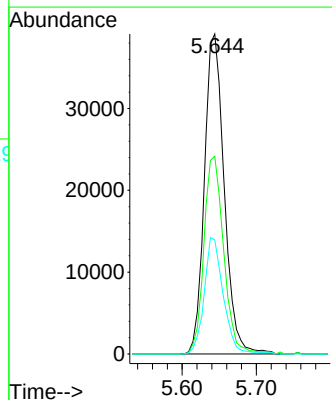
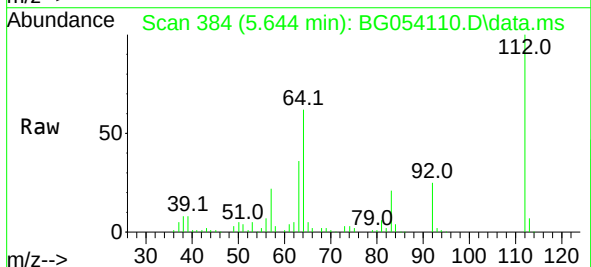
Instrument :
BNA_G
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SP-EXC-3

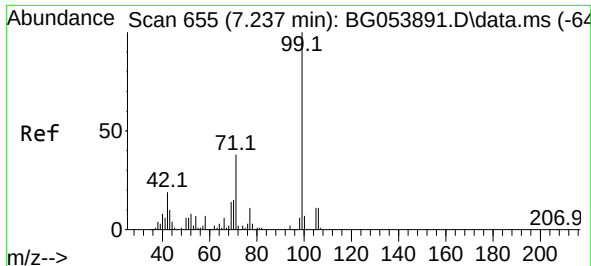
Tgt Ion:152 Resp: 36348
Ion Ratio Lower Upper
152 100
150 137.9 131.6 197.4
115 54.6 50.9 76.3



#5
2-Fluorophenol
Concen: 38.248 ng
RT: 5.644 min Scan# 384
Delta R.T. 0.006 min
Lab File: BG054110.D
Acq: 28 Jun 2022 2:59

Tgt Ion:112 Resp: 72715
Ion Ratio Lower Upper
112 100
64 61.8 55.1 82.7
63 35.7 30.4 45.6

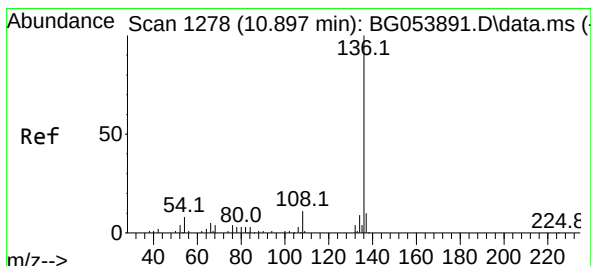
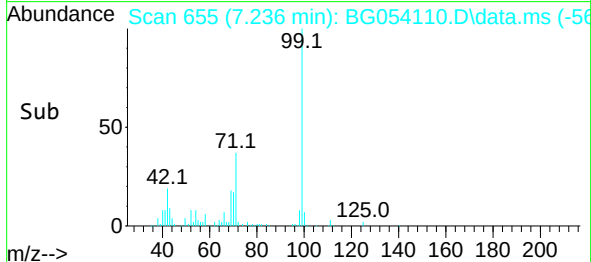
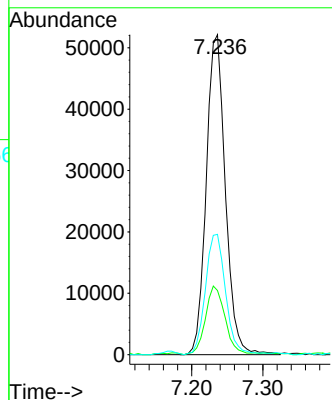
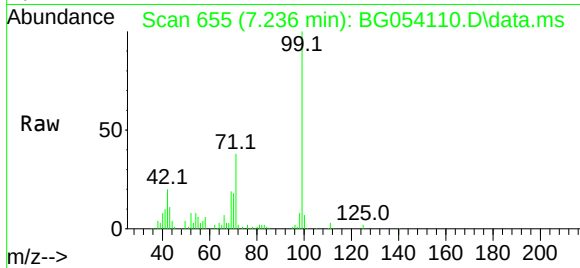




#7
Phenol-d6
Concen: 37.788 ng
RT: 7.236 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG054110.D
Acq: 28 Jun 2022 2:59

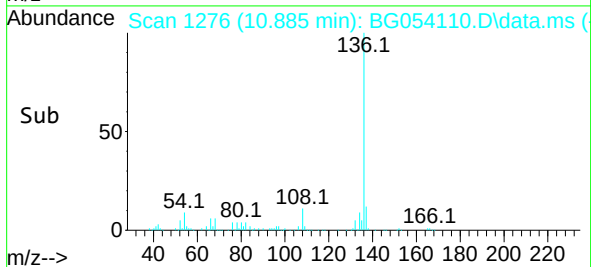
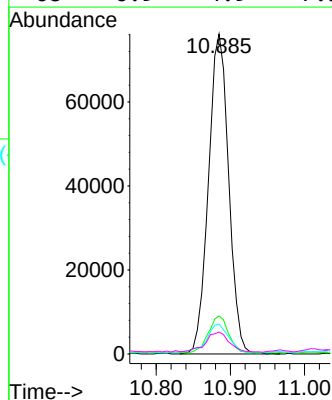
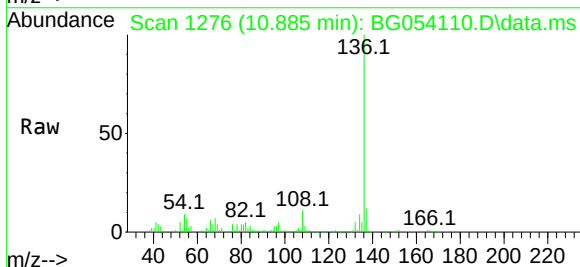
Instrument :
BNA_G
ClientSampleId :
SP-EXC-3

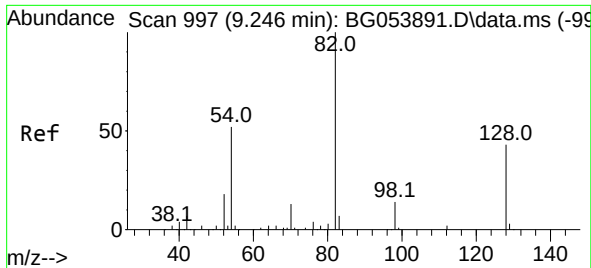
Tgt Ion: 99 Resp: 97457
Ion Ratio Lower Upper
99 100
42 20.0 17.0 25.6
71 37.6 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.885 min Scan# 1276
Delta R.T. 0.006 min
Lab File: BG054110.D
Acq: 28 Jun 2022 2:59

Tgt Ion: 136 Resp: 144199
Ion Ratio Lower Upper
136 100
137 11.9 8.5 12.7
54 9.4 7.4 11.2
68 6.9 4.9 7.3

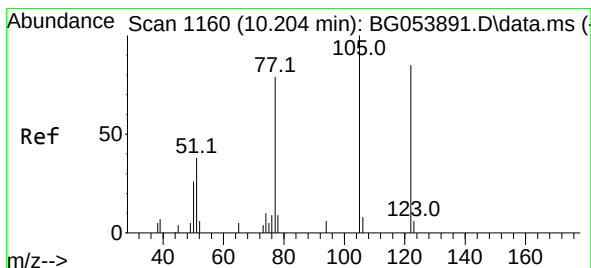
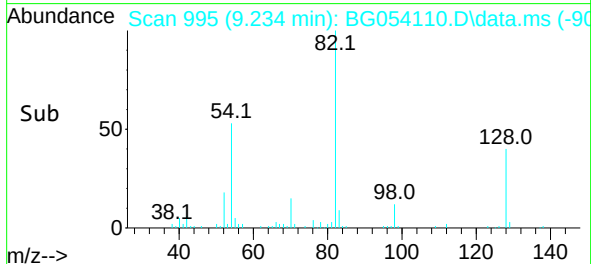
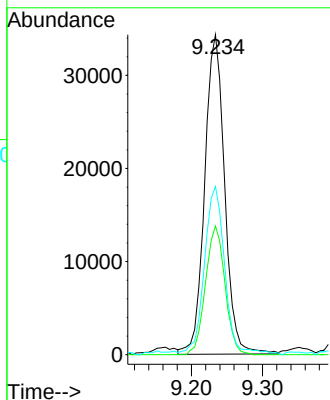
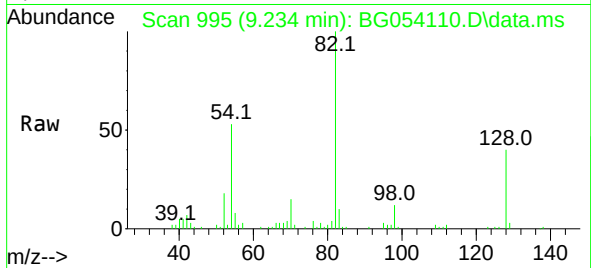




#23
Nitrobenzene-d5
Concen: 26.196 ng
RT: 9.234 min Scan# 995
Delta R.T. 0.000 min
Lab File: BG054110.D
Acq: 28 Jun 2022 2:59

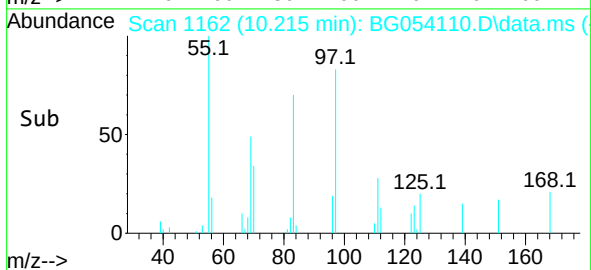
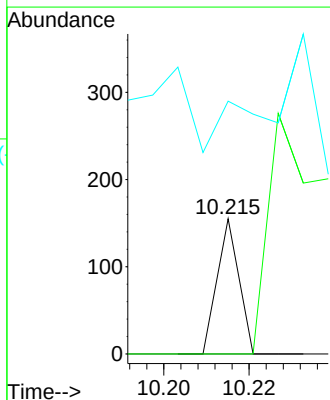
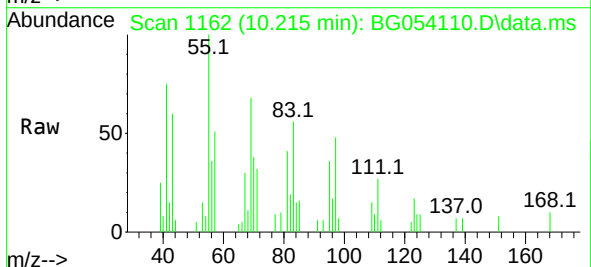
Instrument :
BNA_G
ClientSampleId :
SP-EXC-3

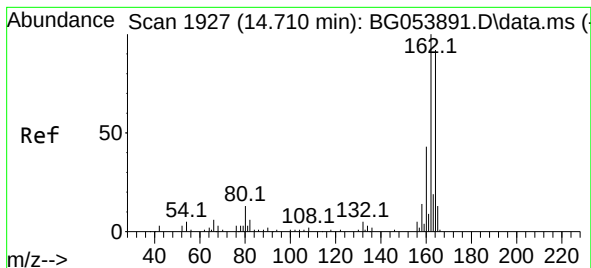
Tgt Ion: 82	Resp: 67219
Ion Ratio	Lower Upper
82 100	
128 40.2	27.9 41.9
54 52.5	41.2 61.8



#32
Benzoic acid
Concen: 11.338 ng
RT: 10.215 min Scan# 1162
Delta R.T. 0.018 min
Lab File: BG054110.D
Acq: 28 Jun 2022 2:59

Tgt	Ion:122	Resp:	55
Ion	Ratio	Lower	Upper
122	100		
105	0.0	111.8	151.8#
77	187.1	109.4	149.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.698 min Scan# 1925

Delta R.T. 0.000 min

Lab File: BG054110.D

Acq: 28 Jun 2022 2:59

Instrument :

BNA_G

ClientSampleId :

SP-EXC-3

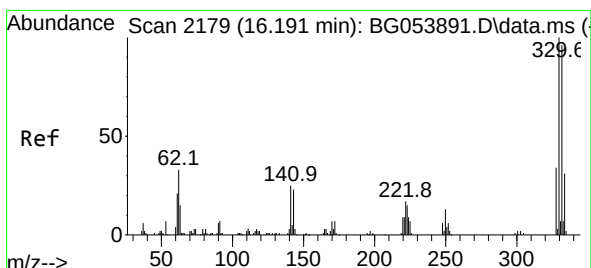
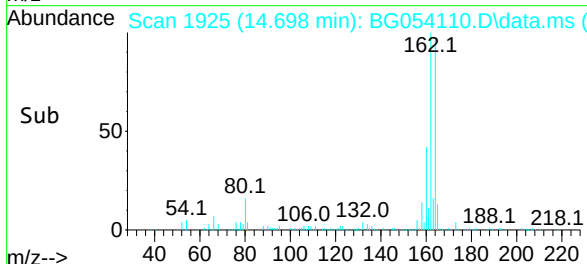
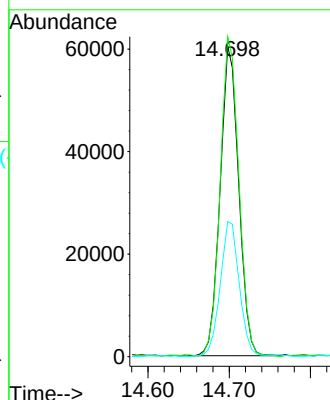
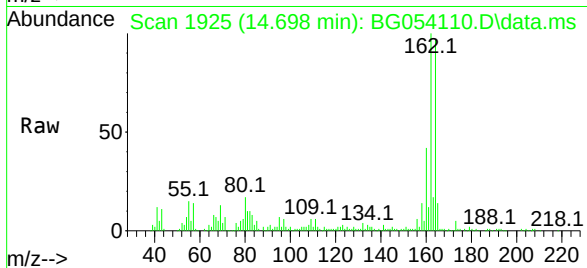
Tgt Ion:164 Resp: 96312

Ion Ratio Lower Upper

164 100

162 103.0 82.3 123.5

160 43.5 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 28.637 ng

RT: 16.185 min Scan# 2178

Delta R.T. 0.000 min

Lab File: BG054110.D

Acq: 28 Jun 2022 2:59

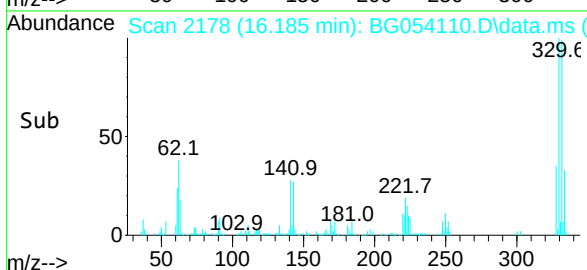
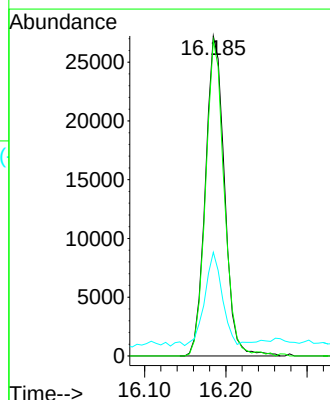
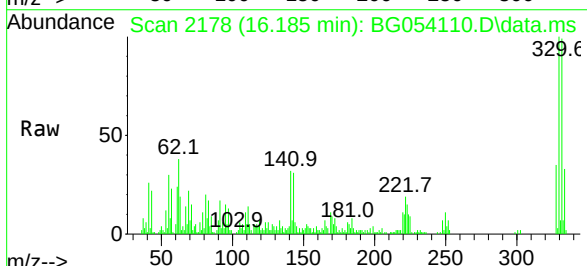
Tgt Ion:330 Resp: 44314

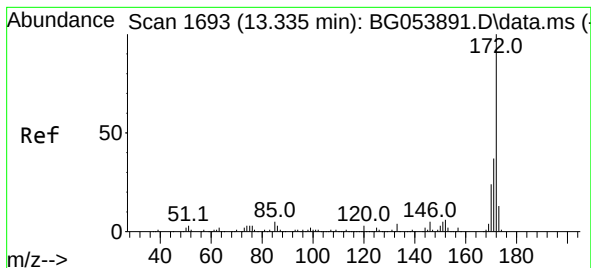
Ion Ratio Lower Upper

330 100

332 96.5 76.0 114.0

141 27.0 27.1 40.7#

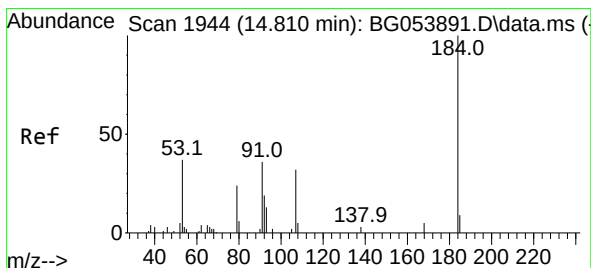
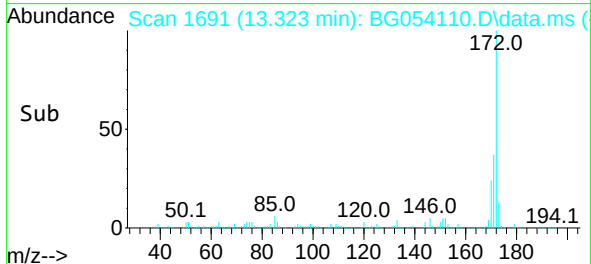
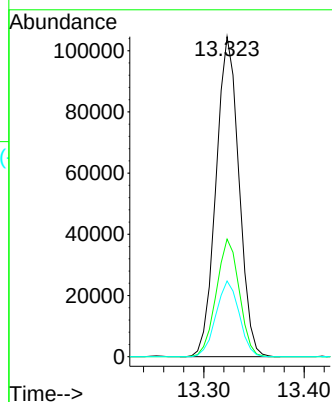
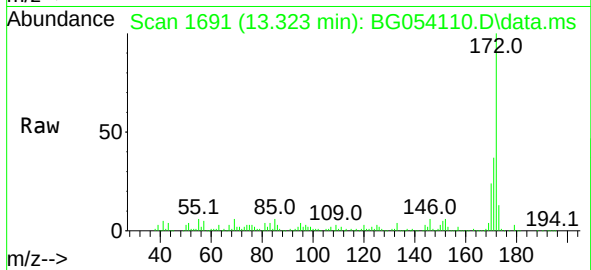




#45
2-Fluorobiphenyl
Concen: 25.024 ng
RT: 13.323 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG054110.D
Acq: 28 Jun 2022 2:59

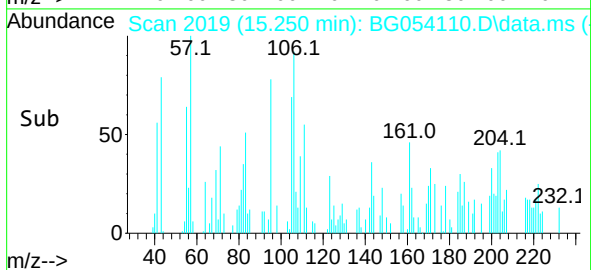
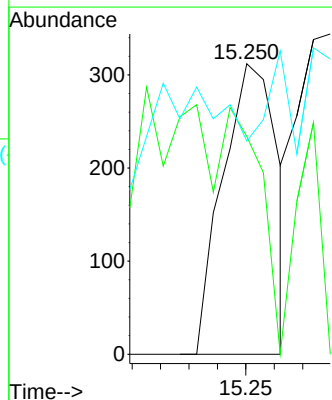
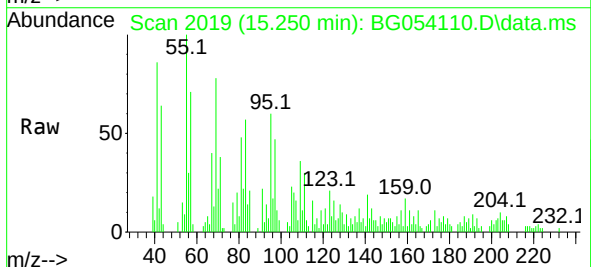
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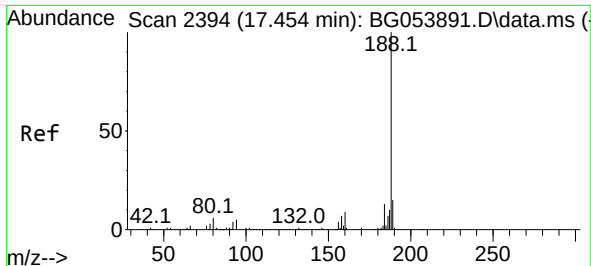
Tgt Ion:172 Resp: 165742
Ion Ratio Lower Upper
172 100
171 36.8 28.5 42.7
170 23.6 18.9 28.3



#54
2,4-Dinitrophenol
Concen: 7.516 ng
RT: 15.250 min Scan# 2019
Delta R.T. 0.447 min
Lab File: BG054110.D
Acq: 28 Jun 2022 2:59

Tgt Ion:184 Resp: 417
Ion Ratio Lower Upper
184 100
63 75.0 61.1 91.7
154 73.4 60.6 91.0

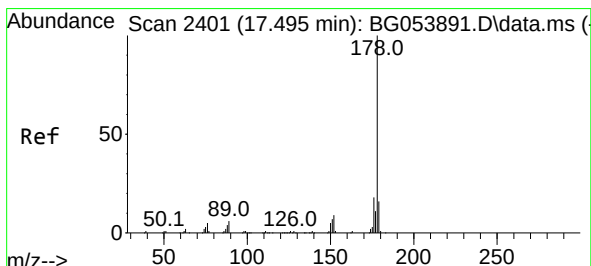
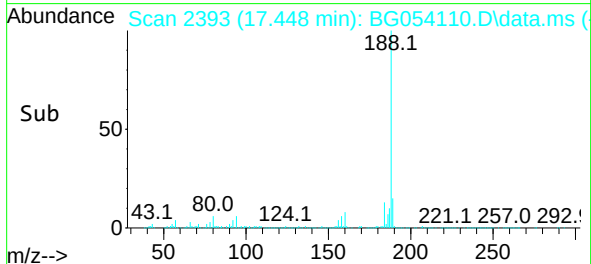
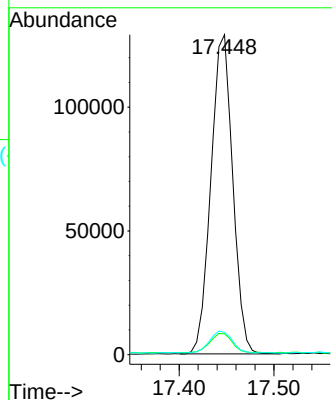
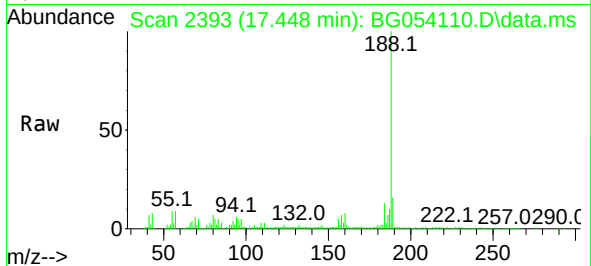




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.448 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG054110.D
Acq: 28 Jun 2022 2:59

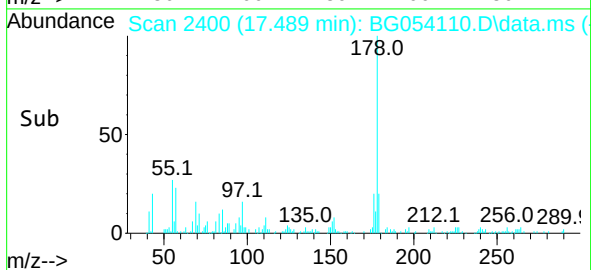
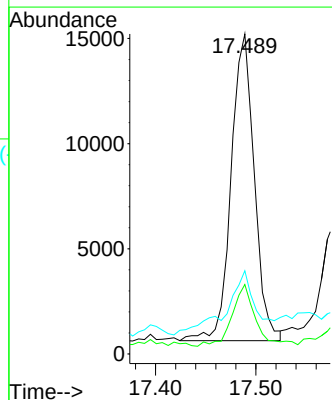
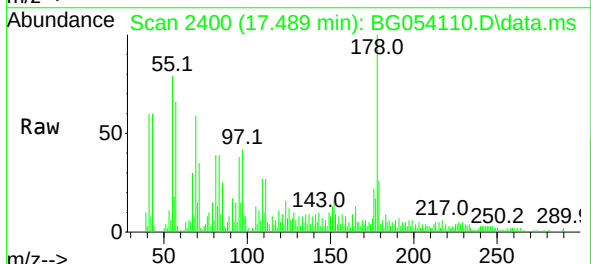
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BNA_G
ClientSampleId :
SP-EXC-3

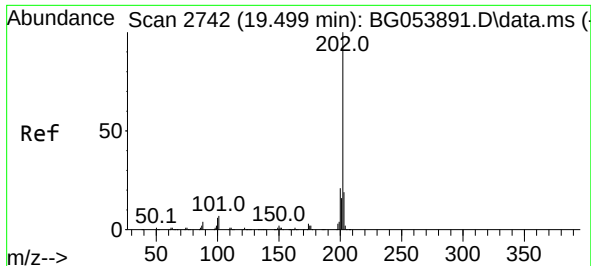
Tgt Ion:188 Resp: 206545
Ion Ratio Lower Upper
188 100
94 6.5 5.4 8.0
80 6.9 6.8 10.2



#71
Phenanthrene
Concen: 2.217 ng
RT: 17.489 min Scan# 2400
Delta R.T. 0.006 min
Lab File: BG054110.D
Acq: 28 Jun 2022 2:59

Tgt Ion:178 Resp: 23531
Ion Ratio Lower Upper
178 100
176 21.7 14.1 21.1#
179 26.0 12.1 18.1#

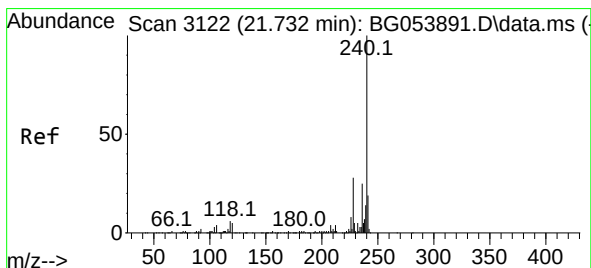
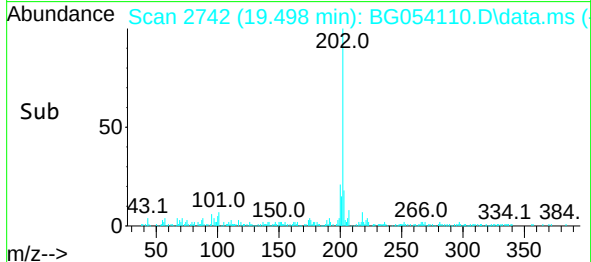
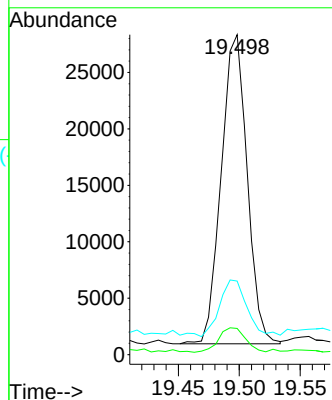
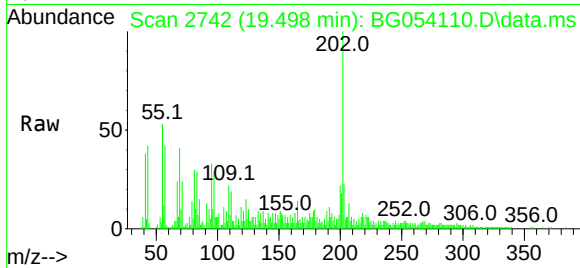




#75
Fluoranthene
Concen: 2.914 ng
RT: 19.498 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG054110.D
Acq: 28 Jun 2022 2:59

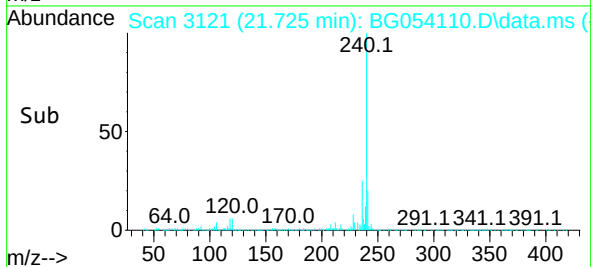
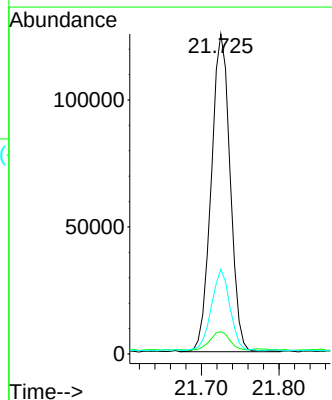
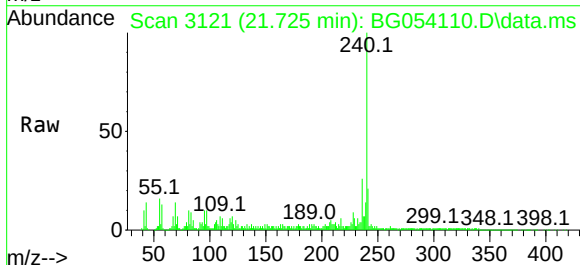
Instrument :
BNA_G
ClientSampleId :
SP-EXC-3

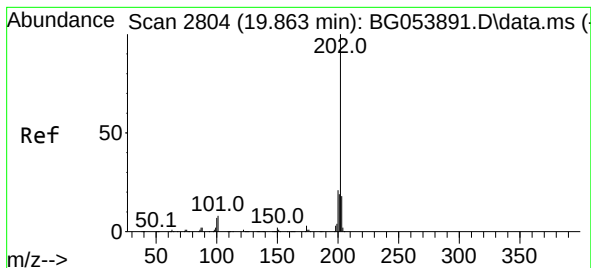
Tgt Ion:	202	Resp:	40594
Ion Ratio	Lower	Upper	
202	100		
101	8.2	0.0	26.9
203	23.0	0.0	37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.725 min Scan# 3121
Delta R.T. 0.006 min
Lab File: BG054110.D
Acq: 28 Jun 2022 2:59

Tgt Ion:	240	Resp:	212162
Ion Ratio	Lower	Upper	
240	100		
120	6.9	4.6	7.0
236	26.4	20.2	30.4





#78

Pyrene

Concen: 4.683 ng

RT: 19.857 min Scan# 21

Delta R.T. 0.006 min

Lab File: BG054110.D

Acq: 28 Jun 2022 2:59

Instrument :

BNA_G

ClientSampleId :

SP-EXC-3

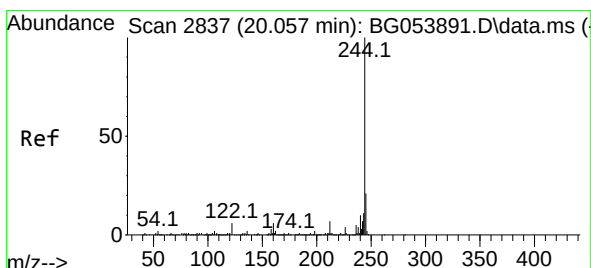
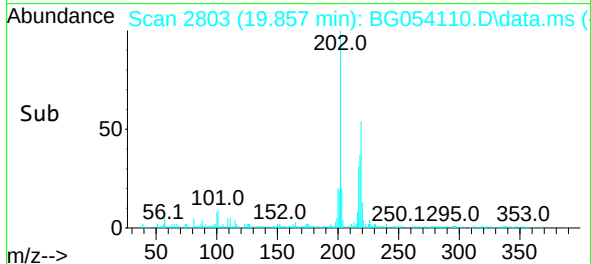
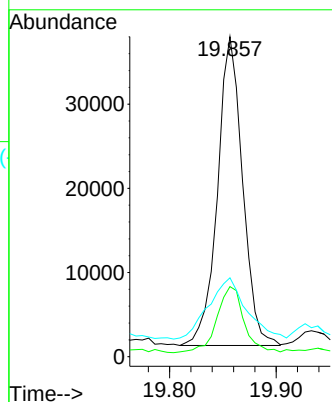
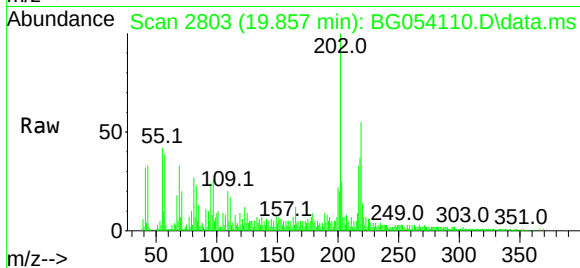
Tgt Ion:202 Resp: 60005

Ion Ratio Lower Upper

202 100

200 21.9 16.6 24.8

203 24.7 14.6 21.8#



#79

Terphenyl-d14

Concen: 25.772 ng

RT: 20.051 min Scan# 2836

Delta R.T. 0.006 min

Lab File: BG054110.D

Acq: 28 Jun 2022 2:59

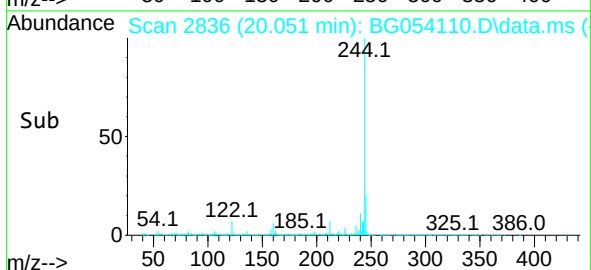
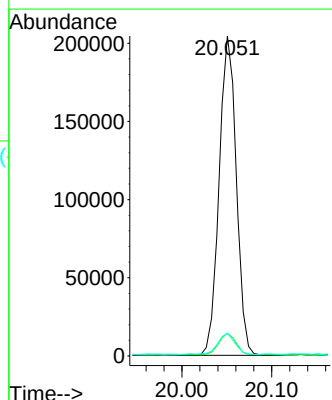
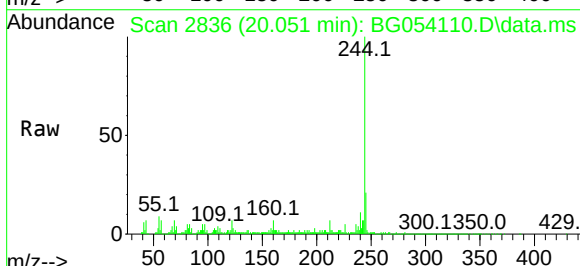
Tgt Ion:244 Resp: 271478

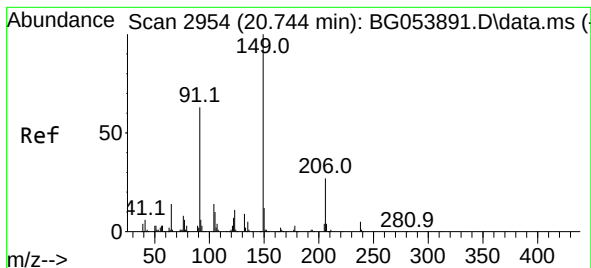
Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

122 7.1 5.0 7.4





#80

Butylbenzylphthalate

Concen: 2.331 ng

RT: 20.738 min Scan# 2953

Delta R.T. 0.006 min

Lab File: BG054110.D

Acq: 28 Jun 2022 2:59

Instrument :

BNA_G

ClientSampleId :

SP-EXC-3

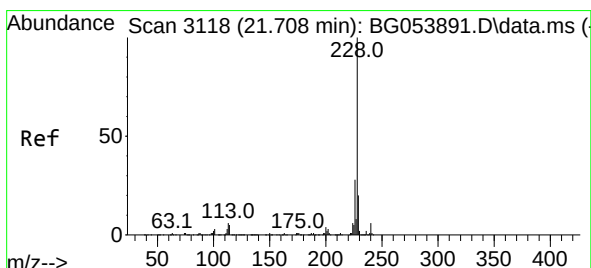
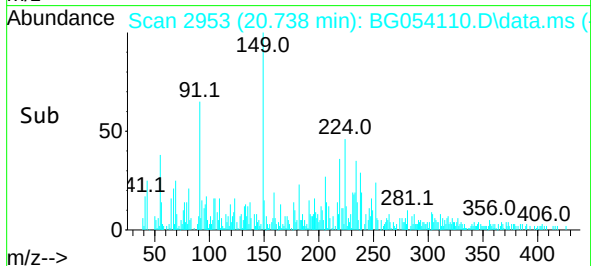
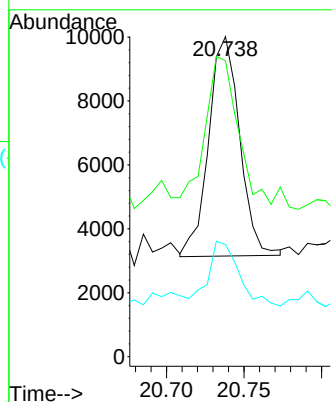
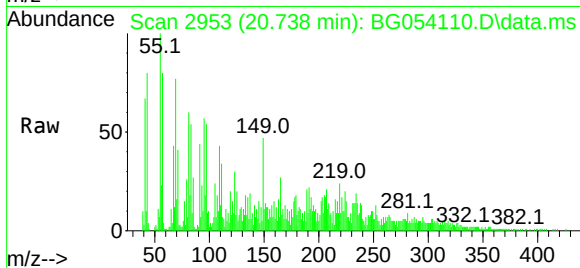
Tgt Ion:149 Resp: 9576

Ion Ratio Lower Upper

149 100

91 92.5 59.6 89.4#

206 35.0 18.6 28.0#



#81

Benzo(a)anthracene

Concen: 4.236 ng

RT: 21.707 min Scan# 3118

Delta R.T. 0.012 min

Lab File: BG054110.D

Acq: 28 Jun 2022 2:59

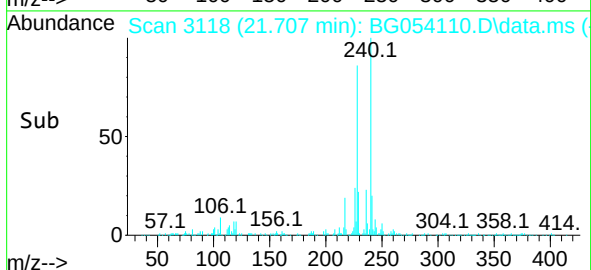
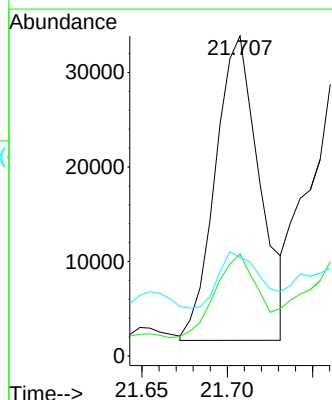
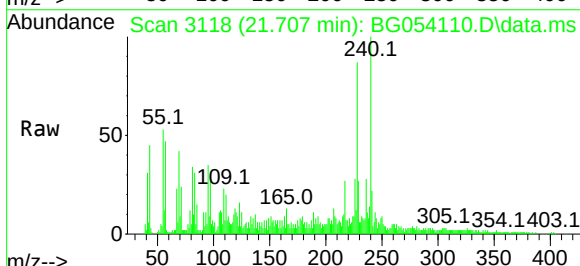
Tgt Ion:228 Resp: 58192

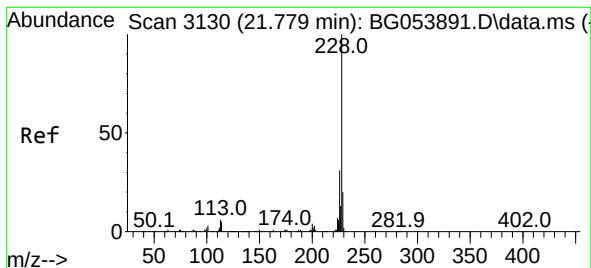
Ion Ratio Lower Upper

228 100

226 31.9 21.6 32.4

229 30.8 16.2 24.2#





#83

Chrysene

Concen: 6.375 ng

RT: 21.772 min Scan# 3129

Delta R.T. 0.012 min

Lab File: BG054110.D

Acq: 28 Jun 2022 2:59

Instrument :

BNA_G

ClientSampleId :

SP-EXC-3

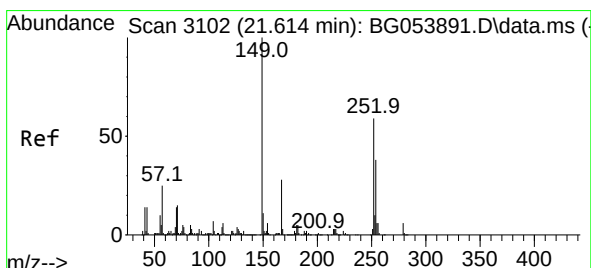
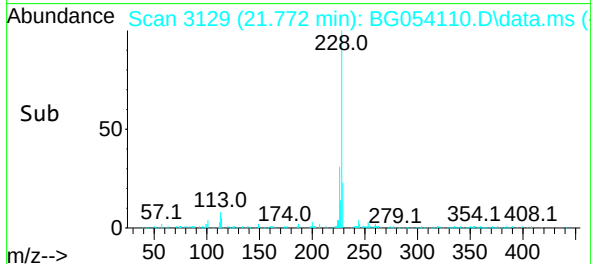
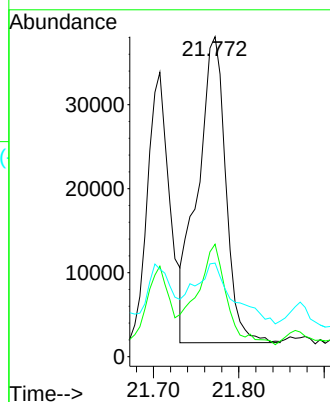
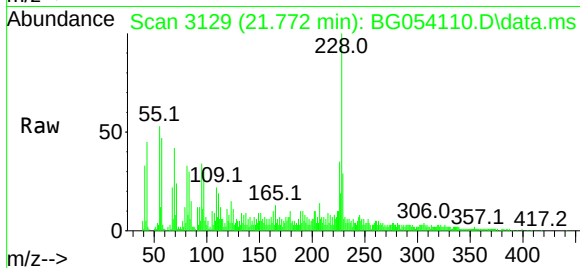
Tgt Ion:228 Resp: 83471

Ion Ratio Lower Upper

228 100

226 35.1 23.4 35.2

229 29.3 15.5 23.3#



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.062 ng

RT: 21.608 min Scan# 3101

Delta R.T. 0.006 min

Lab File: BG054110.D

Acq: 28 Jun 2022 2:59

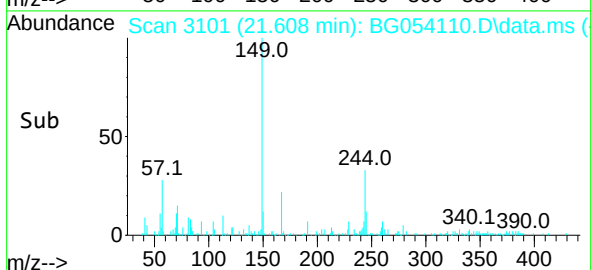
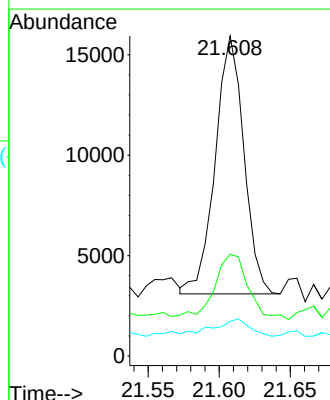
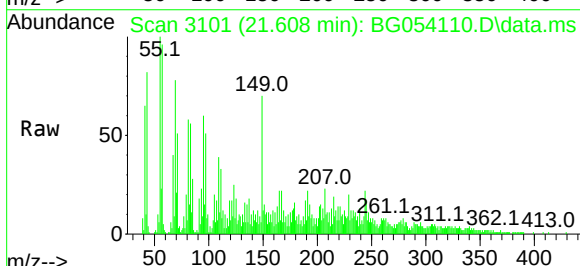
Tgt Ion:149 Resp: 17985

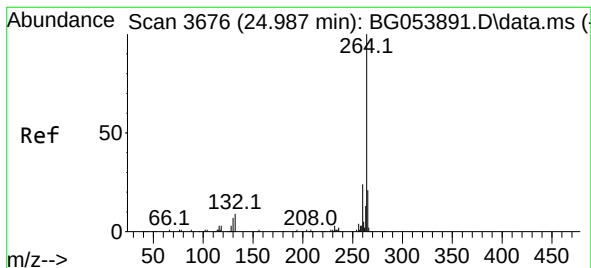
Ion Ratio Lower Upper

149 100

167 31.8 20.2 30.4#

279 10.8 3.6 5.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.004 min Scan# 3

Delta R.T. 0.041 min

Lab File: BG054110.D

Acq: 28 Jun 2022 2:59

Instrument :

BNA_G

ClientSampleId :

SP-EXC-3

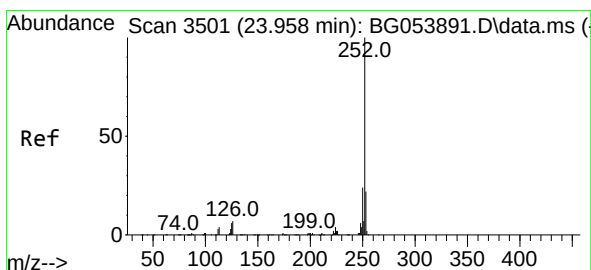
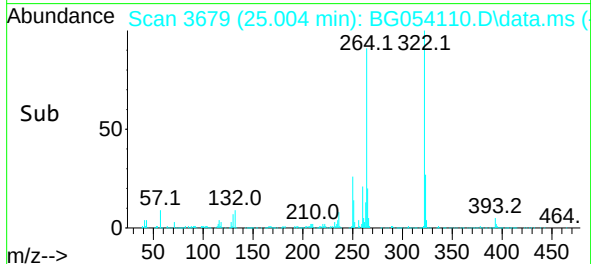
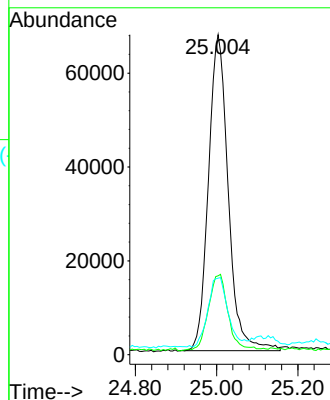
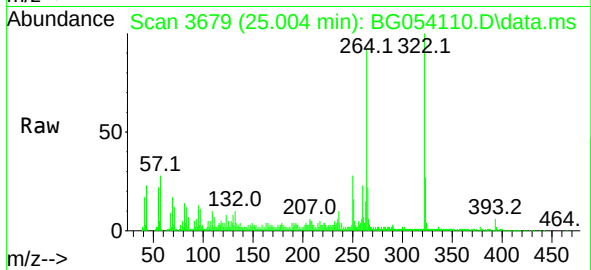
Tgt Ion:264 Resp: 227395

Ion Ratio Lower Upper

264 100

260 24.6 19.0 28.6

265 23.9 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 6.004 ng

RT: 23.958 min Scan# 3501

Delta R.T. 0.024 min

Lab File: BG054110.D

Acq: 28 Jun 2022 2:59

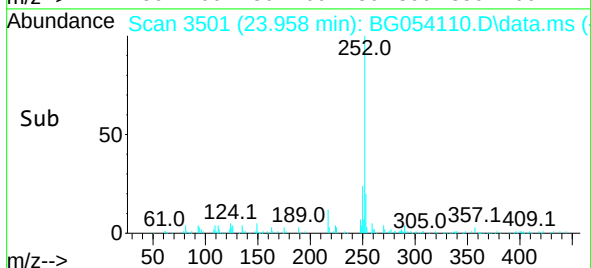
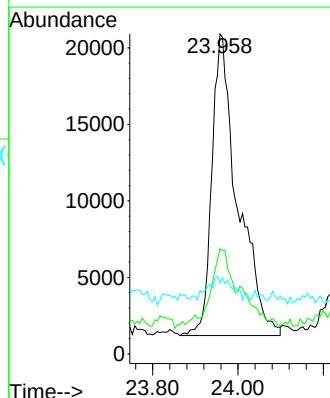
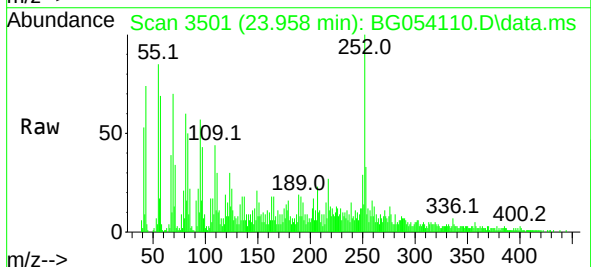
Tgt Ion:252 Resp: 83008

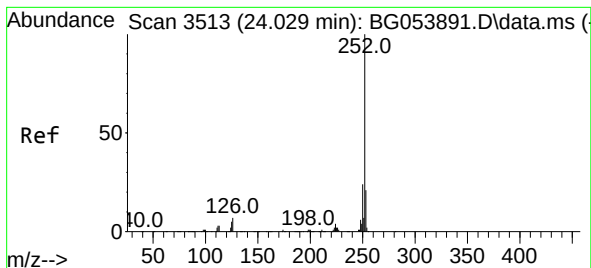
Ion Ratio Lower Upper

252 100

253 32.9 18.0 27.0#

125 22.2 4.6 6.8#





#89

Benzo(k)fluoranthene

Concen: 6.064 ng

RT: 23.958 min Scan# 3501

Delta R.T. -0.047 min

Lab File: BG054110.D

Acq: 28 Jun 2022 2:59

Instrument :

BNA_G

ClientSampleId :

SP-EXC-3

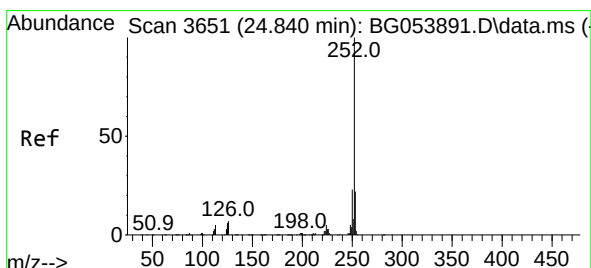
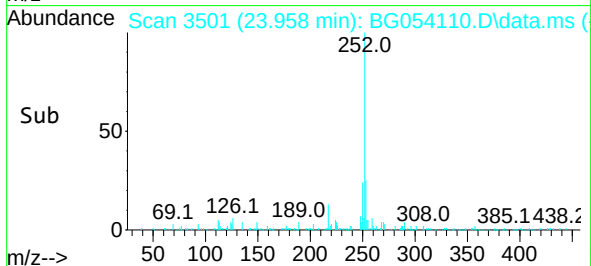
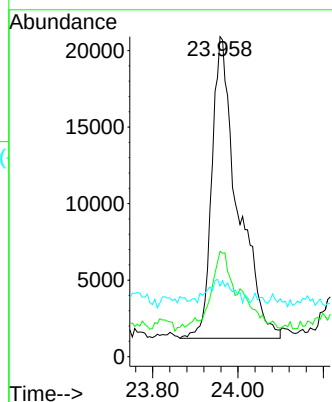
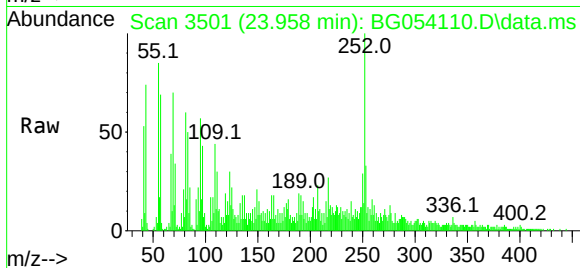
Tgt Ion:252 Resp: 83008

Ion Ratio Lower Upper

252 100

253 32.9 18.4 27.6#

125 22.2 4.8 7.2#



#90

Benzo(a)pyrene

Concen: 5.114 ng

RT: 24.845 min Scan# 3652

Delta R.T. 0.030 min

Lab File: BG054110.D

Acq: 28 Jun 2022 2:59

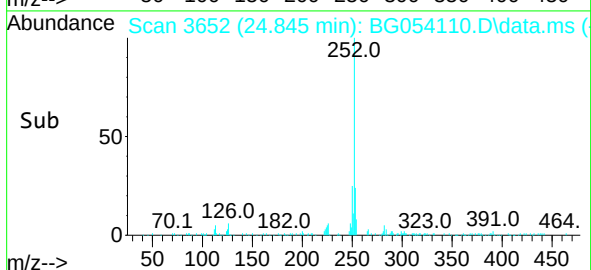
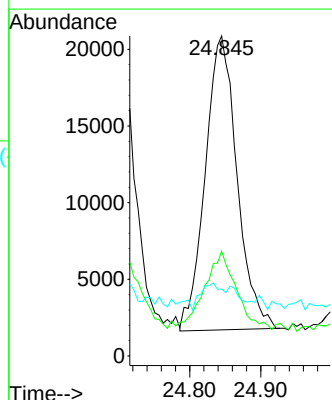
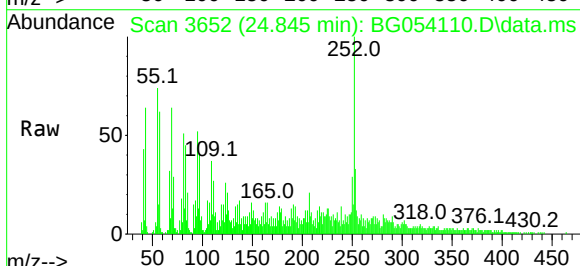
Tgt Ion:252 Resp: 59660

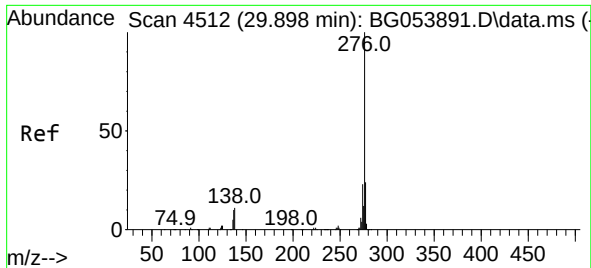
Ion Ratio Lower Upper

252 100

253 32.8 17.8 26.8#

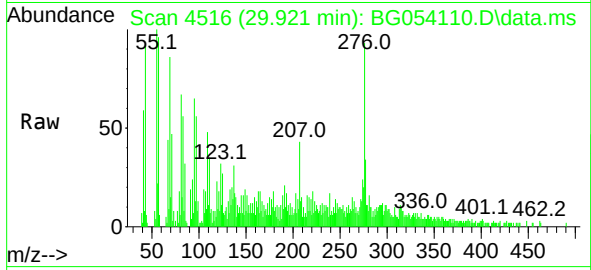
125 20.9 4.3 6.5#





#92
 Benzo(g,h,i)perylene
 Concen: 3.440 ng
 RT: 29.921 min Scan# 4
 Delta R.T. 0.059 min
 Lab File: BG054110.D
 Acq: 28 Jun 2022 2:59

Instrument :
 BNA_G
 ClientSampleId :
 SP-EXC-3



Tgt Ion:	276	Resp:	48180
Ion	Ratio	Lower	Upper
276	100		
277	35.9	17.3	25.9#
138	18.5	9.6	14.4#

