

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
 Data File : BG054130.D
 Acq On : 28 Jun 2022 23:26
 Operator : CG/JU
 Sample : N3488-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-7-0-2-20220623

Quant Time: Jun 29 02:00:19 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)

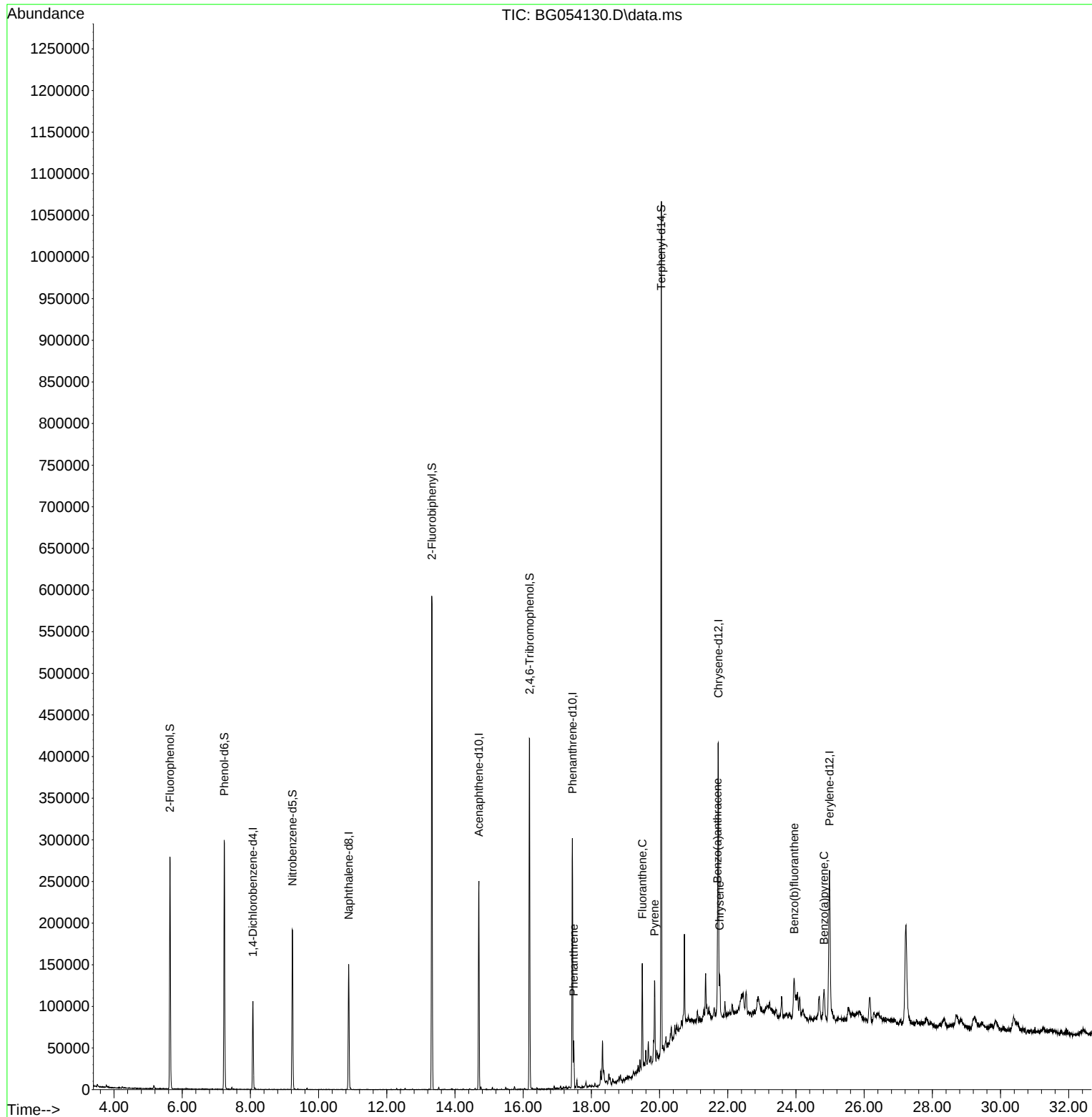
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.071	152	33640	20.000	ng	0.00
21) Naphthalene-d8	10.880	136	139813	20.000	ng	0.00
39) Acenaphthene-d10	14.699	164	96302	20.000	ng	0.00
64) Phenanthrene-d10	17.443	188	212969	20.000	ng	0.00
76) Chrysene-d12	21.720	240	211783	20.000	ng	0.00
86) Perylene-d12	24.981	264	223010	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.639	112	133772	76.029	ng	0.00
7) Phenol-d6	7.231	99	187651	78.617	ng	0.00
23) Nitrobenzene-d5	9.235	82	127496	51.246	ng	0.00
42) 2,4,6-Tribromophenol	16.185	330	104200	67.345	ng	0.00
45) 2-Fluorobiphenyl	13.324	172	347692	52.501	ng	0.00
79) Terphenyl-d14	20.052	244	579239	55.086	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.484	178	38800	3.546	ng	98
75) Fluoranthene	19.493	202	77995	5.430	ng	98
78) Pyrene	19.852	202	68610	5.364	ng	99
81) Benzo(a)anthracene	21.697	228	43386	3.164	ng	97
83) Chrysene	21.761	228	41736	3.193	ng	96
88) Benzo(b)fluoranthene	23.947	252	67736	4.995	ng	# 93
90) Benzo(a)pyrene	24.822	252	43547	3.806	ng	# 97

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

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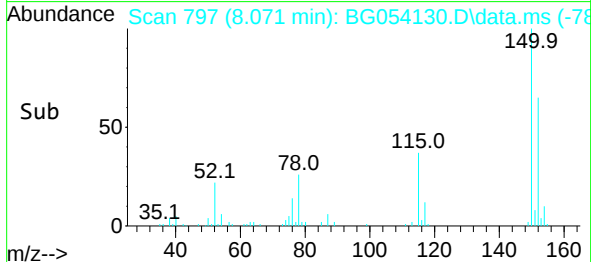
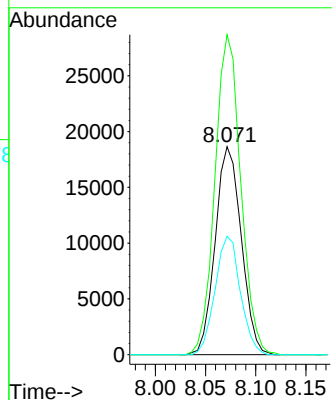
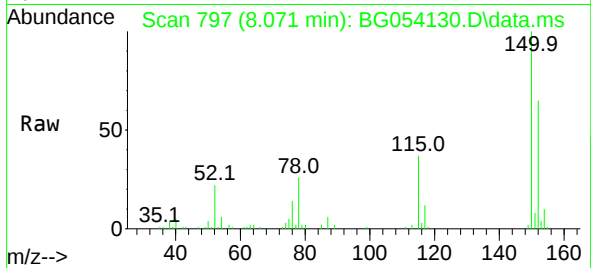




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.071 min Scan# 79
 Delta R.T. 0.001 min
 Lab File: BG054130.D
 Acq: 28 Jun 2022 23:26

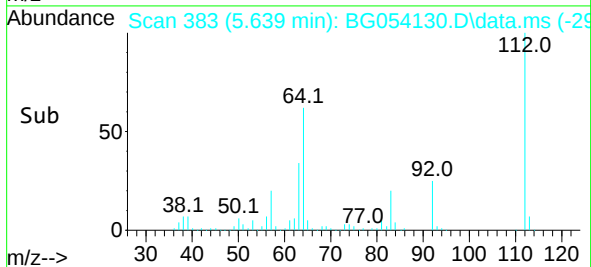
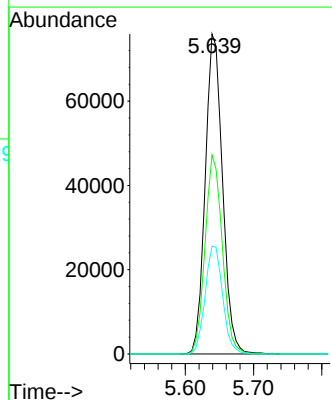
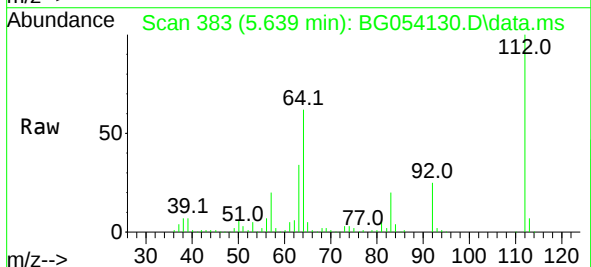
Instrument :
 BNA_G
 ClientSampleId :
 SB-7-0-2-20220623

Tgt Ion:152 Resp: 33640
 Ion Ratio Lower Upper
 152 100
 150 153.8 131.6 197.4
 115 56.9 50.9 76.3



#5
 2-Fluorophenol
 Concen: 76.029 ng
 RT: 5.639 min Scan# 383
 Delta R.T. 0.001 min
 Lab File: BG054130.D
 Acq: 28 Jun 2022 23:26

Tgt Ion:112 Resp: 133772
 Ion Ratio Lower Upper
 112 100
 64 62.2 55.1 82.7
 63 33.7 30.4 45.6

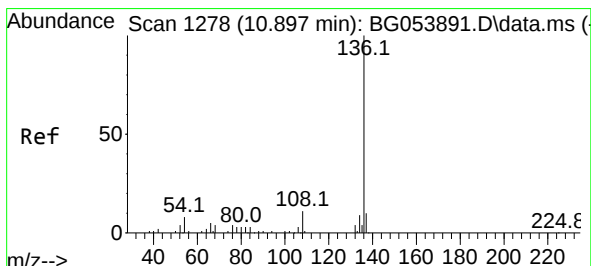
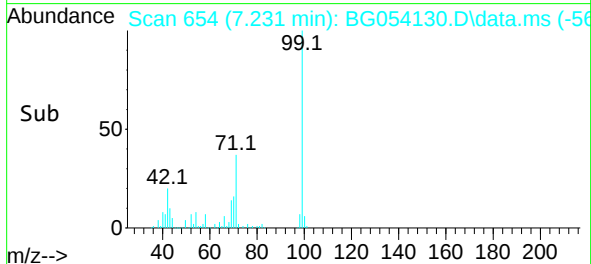
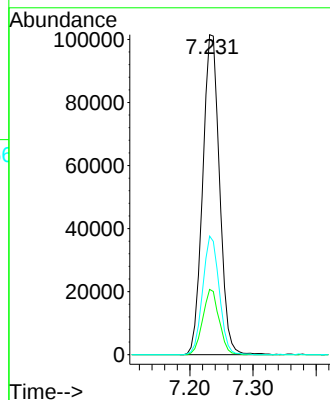
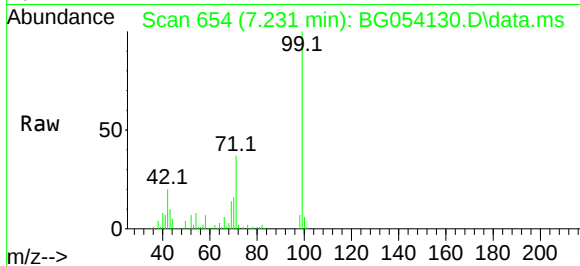




#7
Phenol-d6
Concen: 78.617 ng
RT: 7.231 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

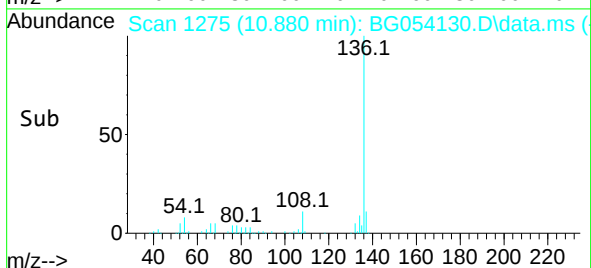
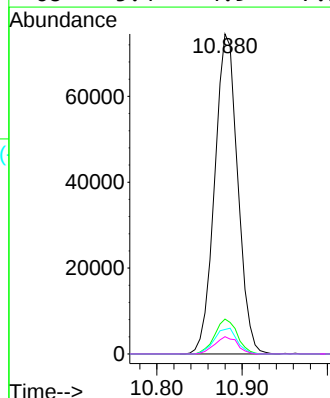
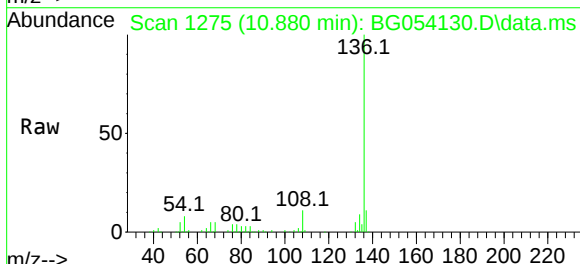
Instrument :
BNA_G
ClientSampleId :
SB-7-0-2-20220623

Tgt Ion: 99 Resp: 187651
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 37.1 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.880 min Scan# 1275
Delta R.T. 0.001 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

Tgt Ion: 136 Resp: 139813
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 7.6 7.4 11.2
68 5.4 4.9 7.3

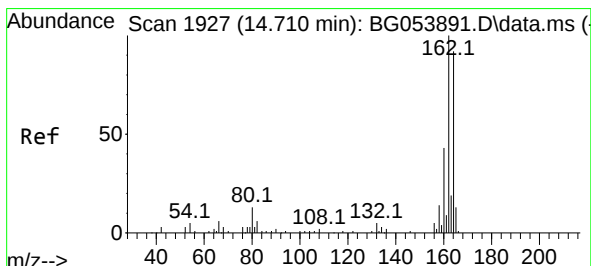
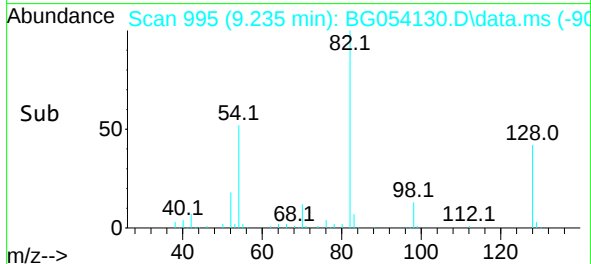
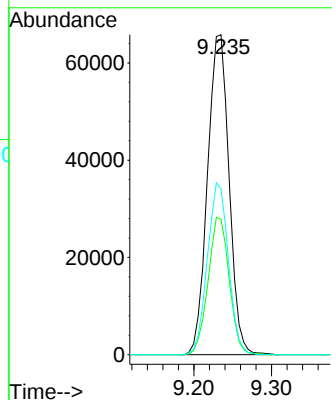
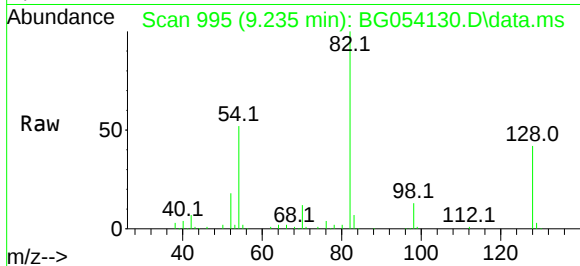




#23
Nitrobenzene-d5
Concen: 51.246 ng
RT: 9.235 min Scan# 995
Delta R.T. 0.001 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

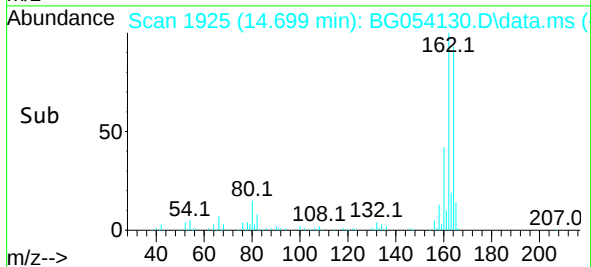
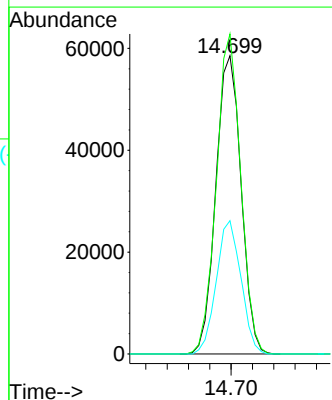
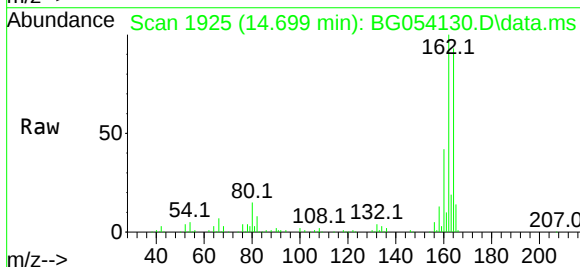
Instrument :
BNA_G
ClientSampleId :
SB-7-0-2-20220623

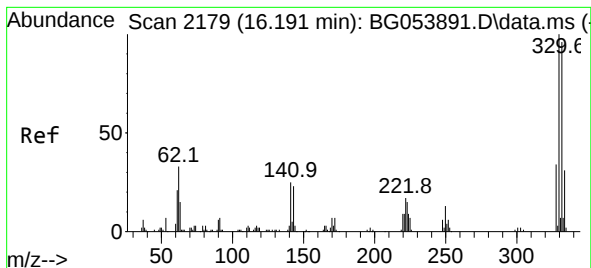
Tgt Ion: 82 Resp: 127496
Ion Ratio Lower Upper
82 100
128 42.3 27.9 41.9#
54 51.8 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.699 min Scan# 1925
Delta R.T. 0.001 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

Tgt Ion:164 Resp: 96302
Ion Ratio Lower Upper
164 100
162 107.3 82.3 123.5
160 44.7 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 67.345 ng

RT: 16.185 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG054130.D

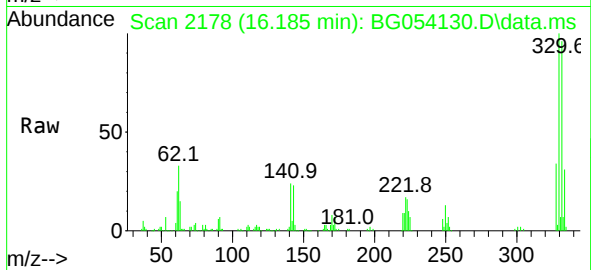
Acq: 28 Jun 2022 23:26

Instrument :

BNA_G

ClientSampleId :

SB-7-0-2-20220623



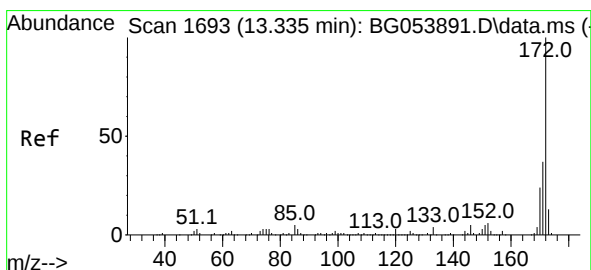
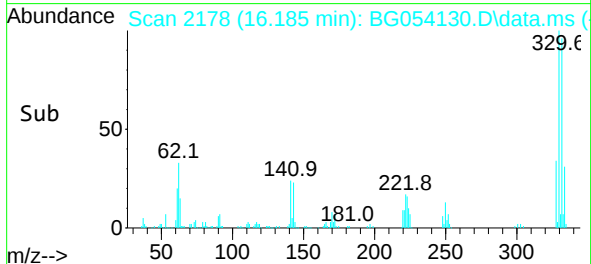
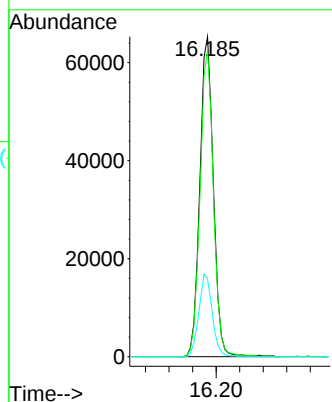
Tgt Ion:330 Resp: 104200

Ion Ratio Lower Upper

330 100

332 94.6 76.0 114.0

141 25.5 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 52.501 ng

RT: 13.324 min Scan# 1691

Delta R.T. 0.001 min

Lab File: BG054130.D

Acq: 28 Jun 2022 23:26

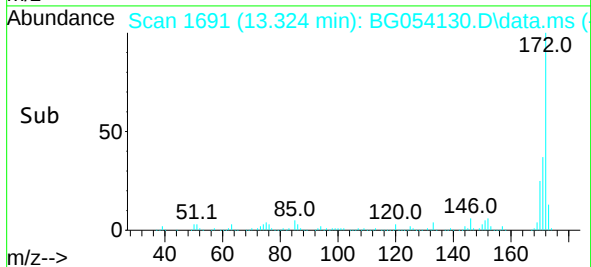
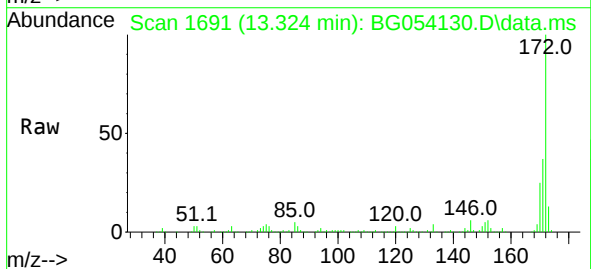
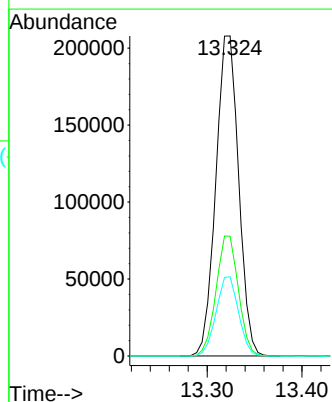
Tgt Ion:172 Resp: 347692

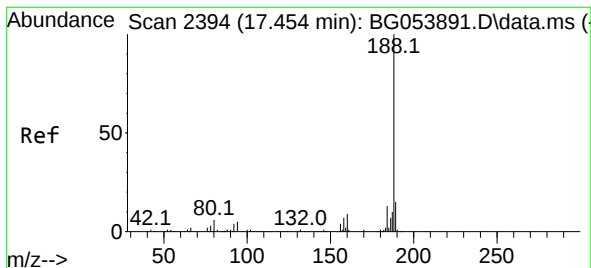
Ion Ratio Lower Upper

172 100

171 37.4 28.5 42.7

170 24.8 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.443 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG054130.D

Acq: 28 Jun 2022 23:26

Instrument :

BNA_G

ClientSampleId :

SB-7-0-2-20220623

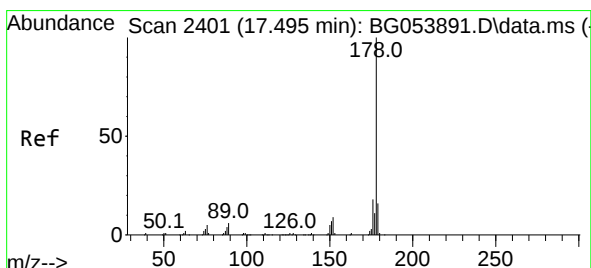
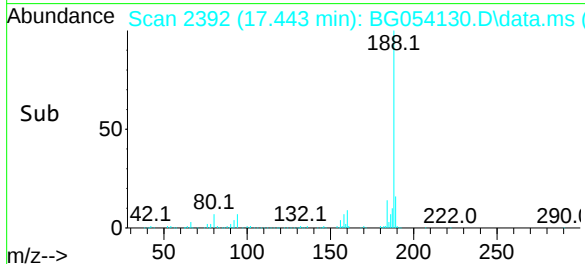
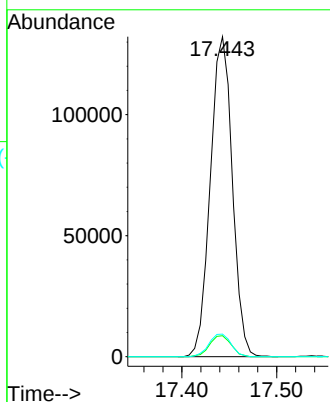
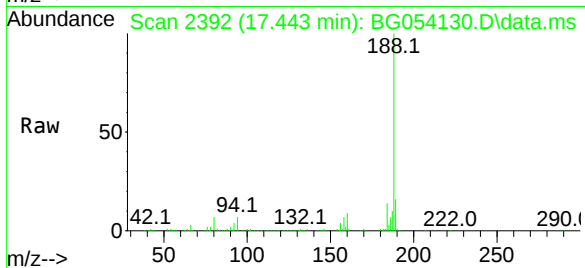
Tgt Ion:188 Resp: 212969

Ion Ratio Lower Upper

188 100

94 6.6 5.4 8.0

80 7.0 6.8 10.2



#71

Phenanthrene

Concen: 3.546 ng

RT: 17.484 min Scan# 2399

Delta R.T. 0.001 min

Lab File: BG054130.D

Acq: 28 Jun 2022 23:26

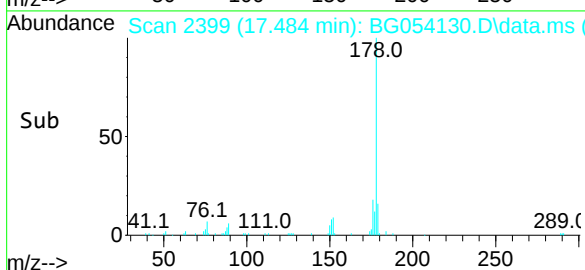
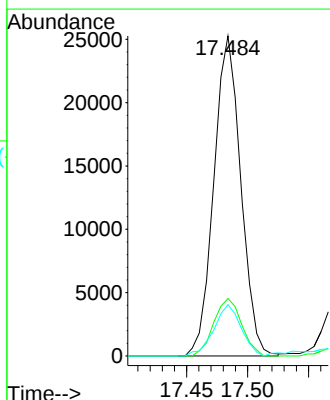
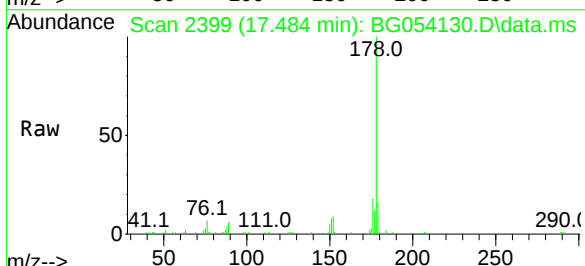
Tgt Ion:178 Resp: 38800

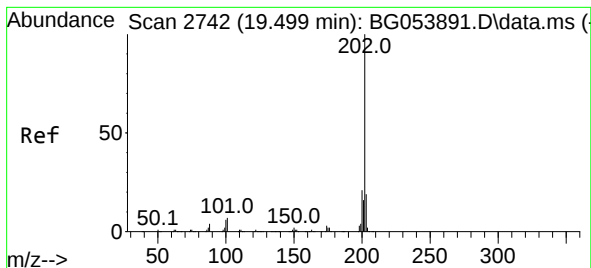
Ion Ratio Lower Upper

178 100

176 18.0 14.1 21.1

179 16.1 12.1 18.1





#75

Fluoranthene

Concen: 5.430 ng

RT: 19.493 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG054130.D

Acq: 28 Jun 2022 23:26

Instrument :

BNA_G

ClientSampleId :

SB-7-0-2-20220623

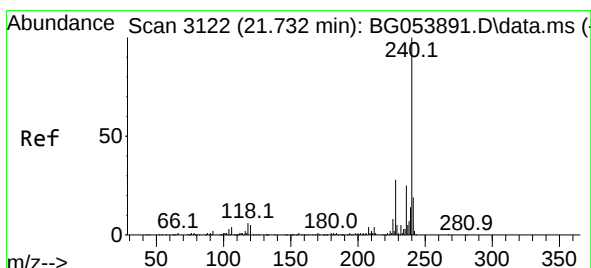
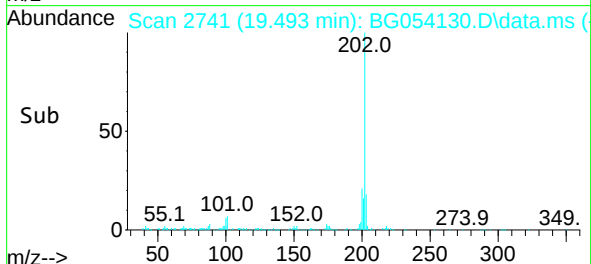
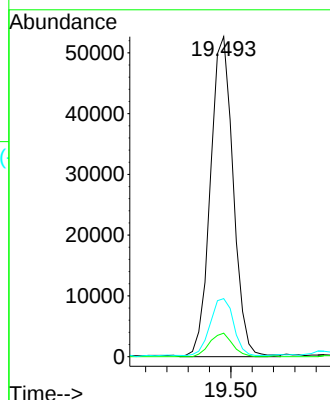
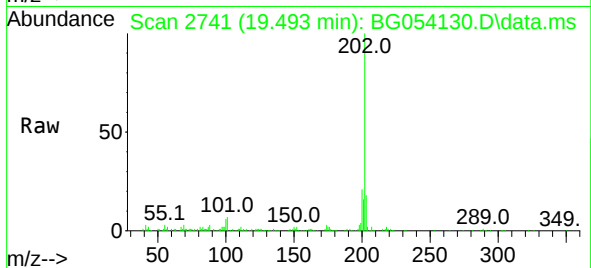
Tgt Ion:202 Resp: 77995

Ion Ratio Lower Upper

202 100

101 7.3 0.0 26.9

203 18.2 0.0 37.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.720 min Scan# 3120

Delta R.T. 0.001 min

Lab File: BG054130.D

Acq: 28 Jun 2022 23:26

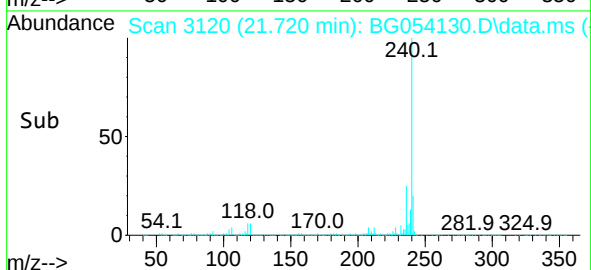
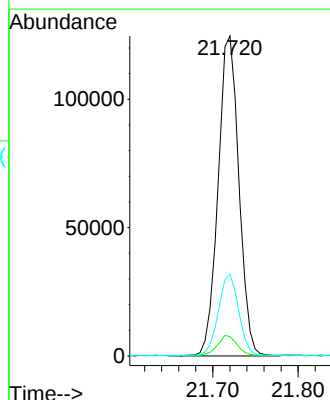
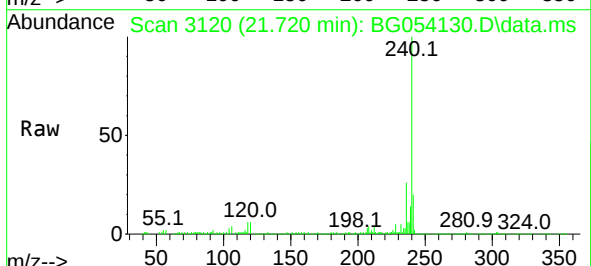
Tgt Ion:240 Resp: 211783

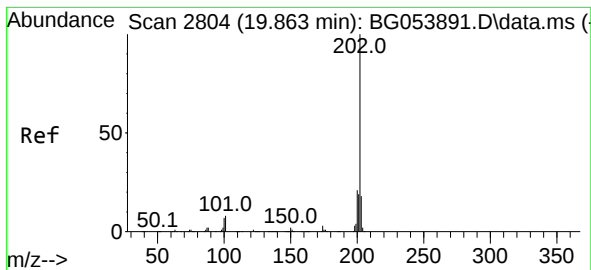
Ion Ratio Lower Upper

240 100

120 6.0 4.6 7.0

236 25.5 20.2 30.4





#78

Pyrene

Concen: 5.364 ng

RT: 19.852 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG054130.D

Acq: 28 Jun 2022 23:26

Instrument :

BNA_G

ClientSampleId :

SB-7-0-2-20220623

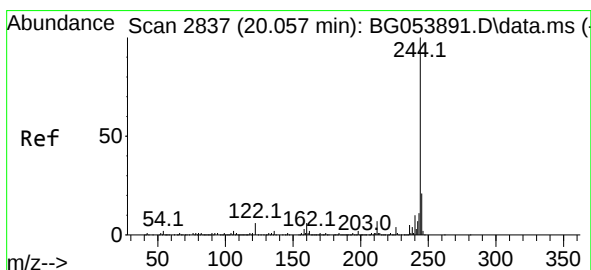
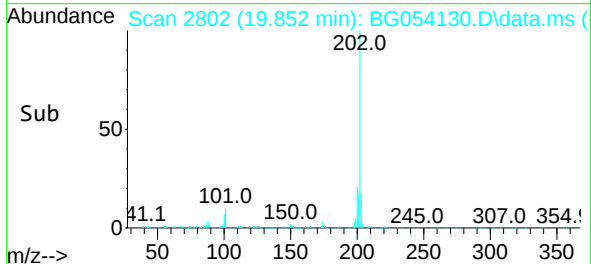
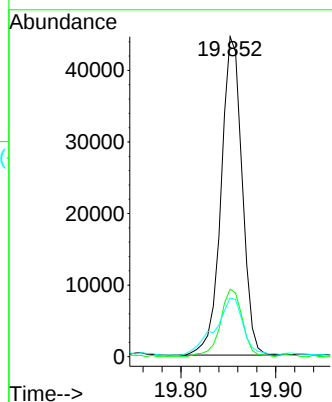
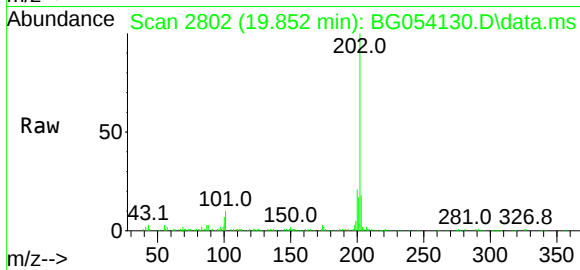
Tgt Ion:202 Resp: 68610

Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 18.4 14.6 21.8



#79

Terphenyl-d14

Concen: 55.086 ng

RT: 20.052 min Scan# 2836

Delta R.T. 0.007 min

Lab File: BG054130.D

Acq: 28 Jun 2022 23:26

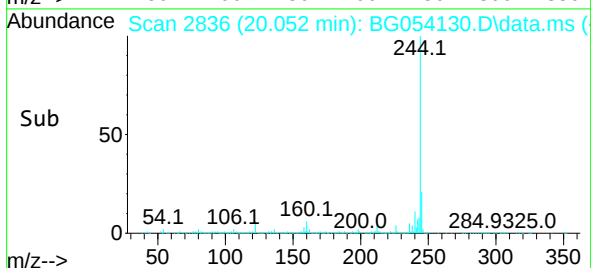
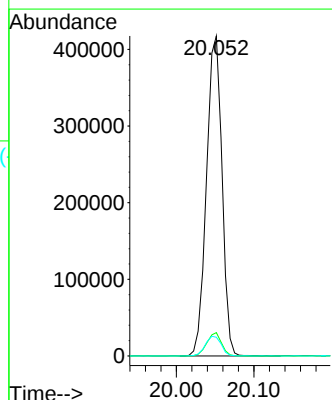
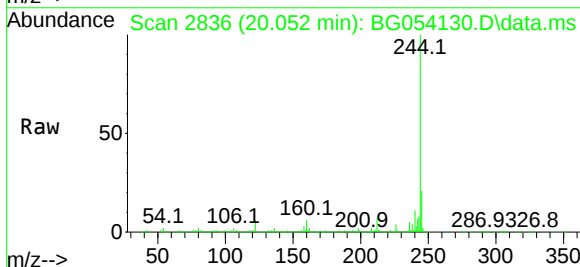
Tgt Ion:244 Resp: 579239

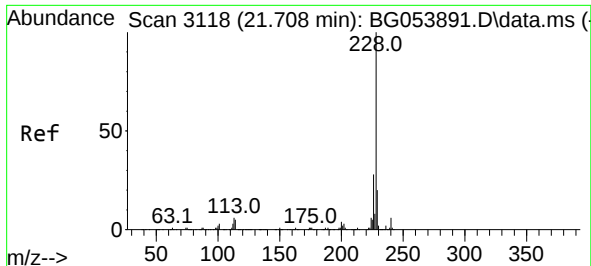
Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

122 5.9 5.0 7.4

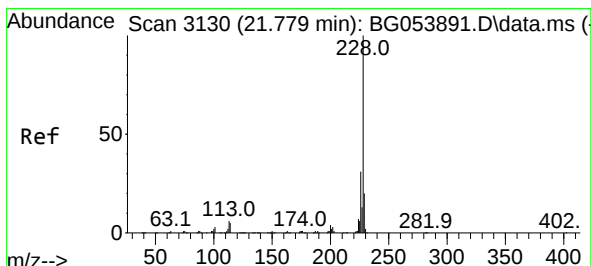
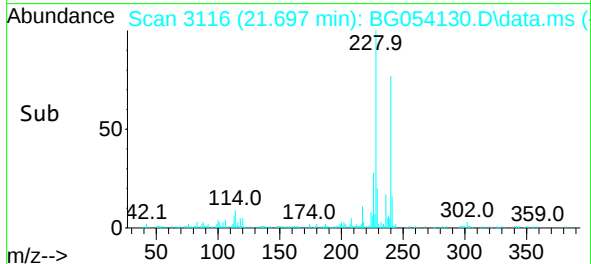
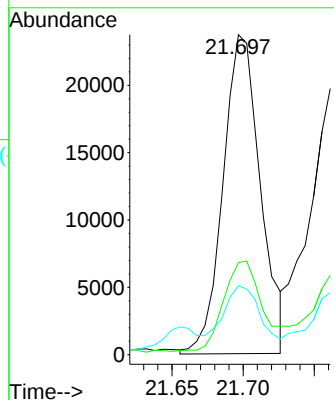
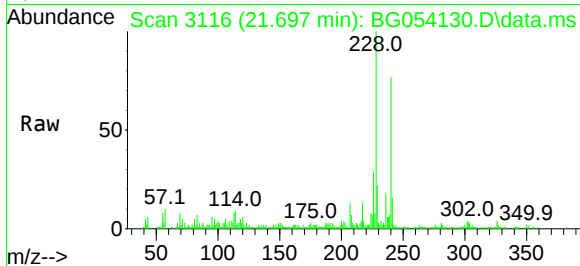




#81
Benzo(a)anthracene
Concen: 3.164 ng
RT: 21.697 min Scan# 3116
Delta R.T. 0.001 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

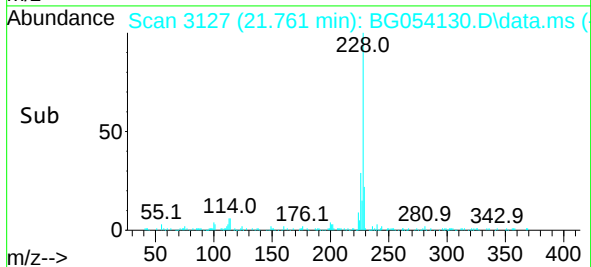
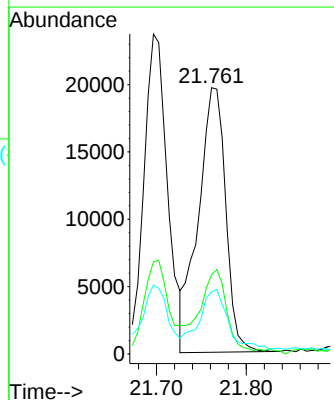
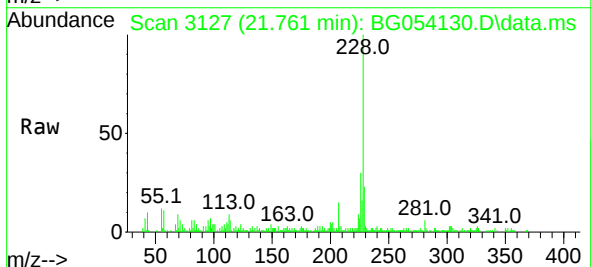
Instrument :
BNA_G
ClientSampleId :
SB-7-0-2-20220623

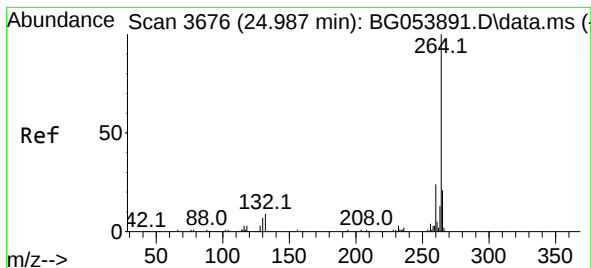
Tgt Ion:	228	Resp:	43386
Ion Ratio	Lower	Upper	
228	100		
226	28.8	21.6	32.4
229	21.5	16.2	24.2



#83
Chrysene
Concen: 3.193 ng
RT: 21.761 min Scan# 3127
Delta R.T. 0.001 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

Tgt Ion:	228	Resp:	41736
Ion Ratio	Lower	Upper	
228	100		
226	29.8	23.4	35.2
229	23.3	15.5	23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.981 min Scan# 3

Delta R.T. 0.019 min

Lab File: BG054130.D

Acq: 28 Jun 2022 23:26

Instrument :

BNA_G

ClientSampleId :

SB-7-0-2-20220623

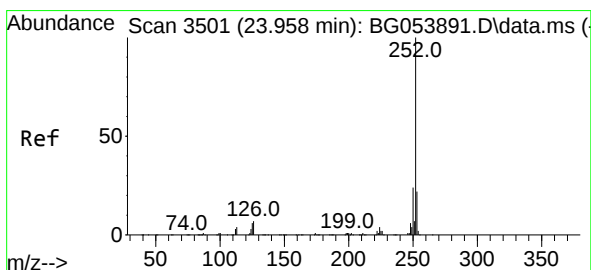
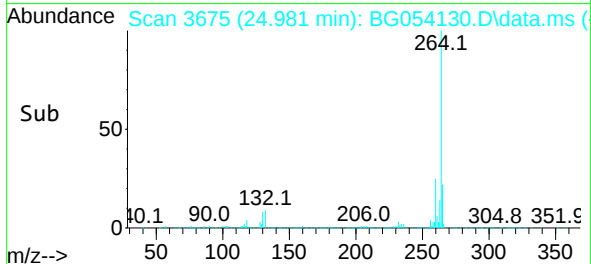
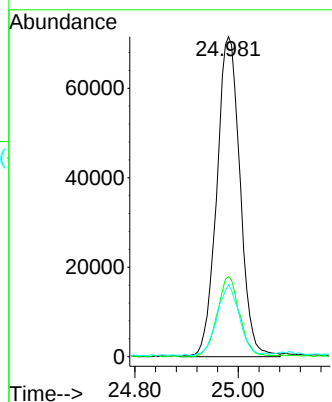
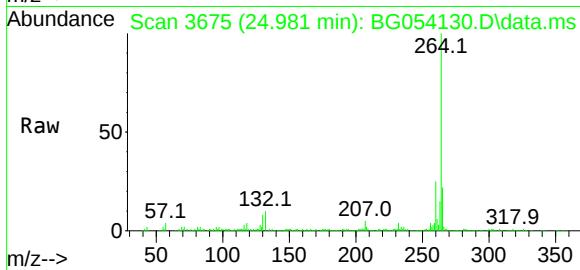
Tgt Ion:264 Resp: 223010

Ion Ratio Lower Upper

264 100

260 25.0 19.0 28.6

265 22.5 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 4.995 ng

RT: 23.947 min Scan# 3499

Delta R.T. 0.013 min

Lab File: BG054130.D

Acq: 28 Jun 2022 23:26

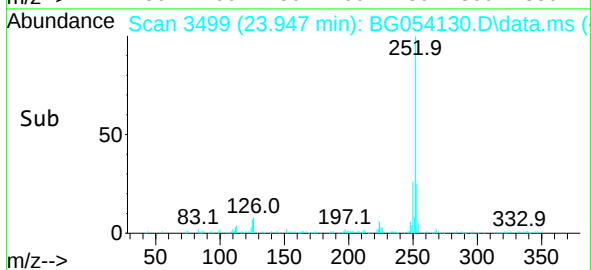
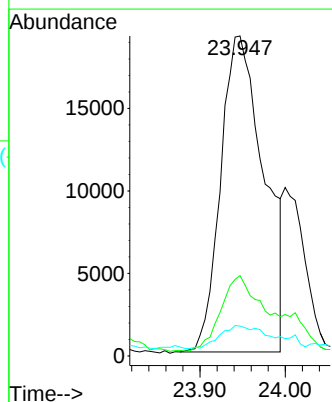
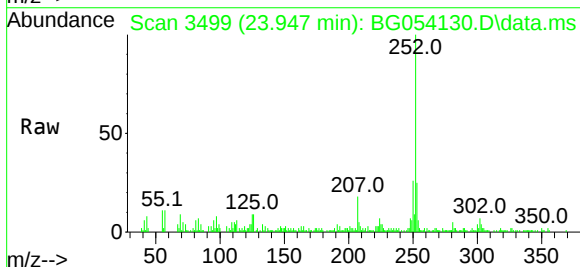
Tgt Ion:252 Resp: 67736

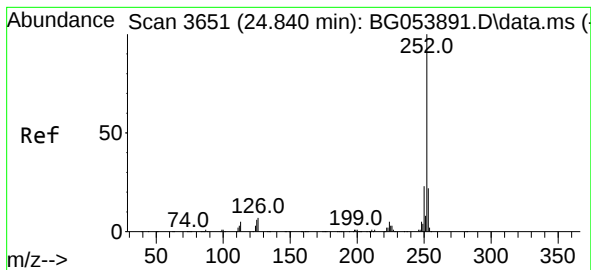
Ion Ratio Lower Upper

252 100

253 25.1 18.0 27.0

125 9.3 4.6 6.8#





#90

Benzo(a)pyrene

Concen: 3.806 ng

RT: 24.822 min Scan# 30

Delta R.T. 0.007 min

Lab File: BG054130.D

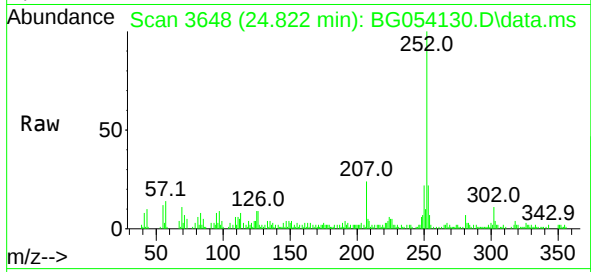
Acq: 28 Jun 2022 23:26

Instrument :

BNA_G

ClientSampleId :

SB-7-0-2-20220623



Tgt Ion:252 Resp: 43547

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 9.1 4.3 6.5#

