

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042122\
 Data File : BG053250.D
 Acq On : 21 Apr 2022 20:46
 Operator : CG/JU
 Sample : N2480-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-16-1A-2

Quant Time: Apr 22 02:57:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 15:31:24 2022
 Response via : Initial Calibration

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

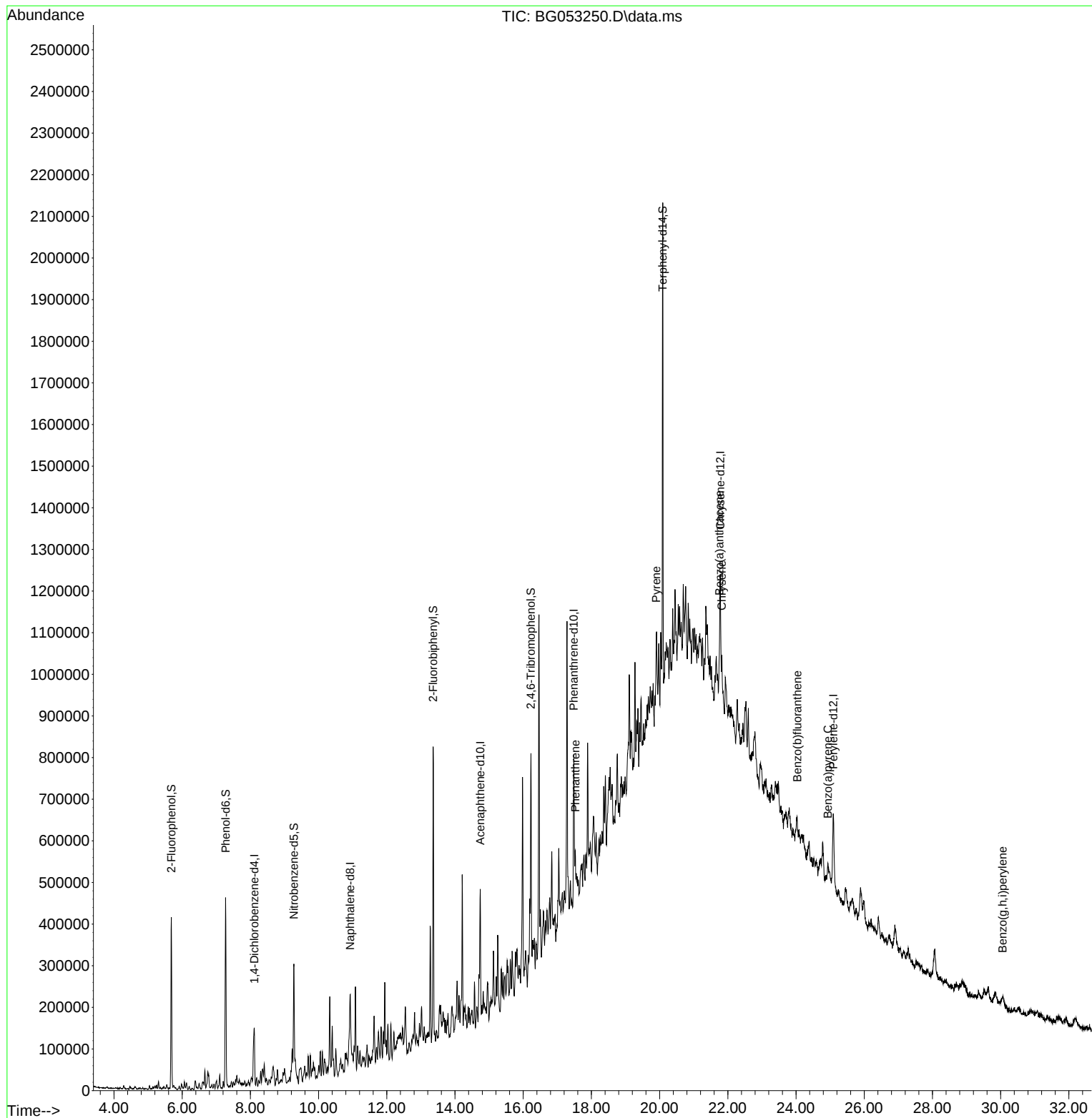
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.114	152	35897	20.000	ng	0.00
21) Naphthalene-d8	10.928	136	138854	20.000	ng	# 0.00
39) Acenaphthene-d10	14.740	164	92953	20.000	ng	0.00
64) Phenanthrene-d10	17.483	188	182610	20.000	ng	# 0.00
76) Chrysene-d12	21.778	240	183072	20.000	ng	0.00
86) Perylene-d12	25.091	264	195129	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.682	112	166098	79.316	ng	0.00
7) Phenol-d6	7.274	99	242820	75.192	ng	0.00
23) Nitrobenzene-d5	9.277	82	178575	52.219	ng	0.00
42) 2,4,6-Tribromophenol	16.226	330	104659	70.771	ng	0.00
45) 2-Fluorobiphenyl	13.360	172	373800	55.451	ng	0.00
79) Terphenyl-d14	20.092	244	561254	51.778	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.530	178	66458	6.663	ng	# 94
78) Pyrene	19.898	202	77225	5.923	ng	# 93
81) Benzo(a)anthracene	21.754	228	66577	5.319	ng	# 76
83) Chrysene	21.825	228	100121	8.619	ng	# 80
88) Benzo(b)fluoranthene	24.039	252	39553	3.213	ng	# 47
90) Benzo(a)pyrene	24.932	252	55516	5.293	ng	# 83
92) Benzo(g,h,i)perylene	30.055	276	53947	4.587	ng	# 90

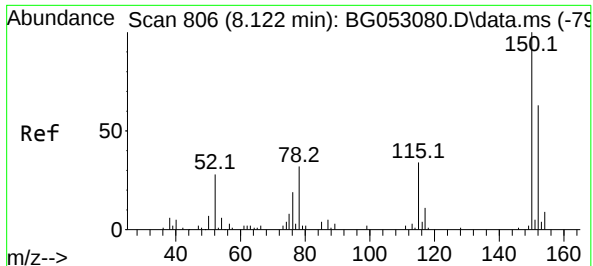
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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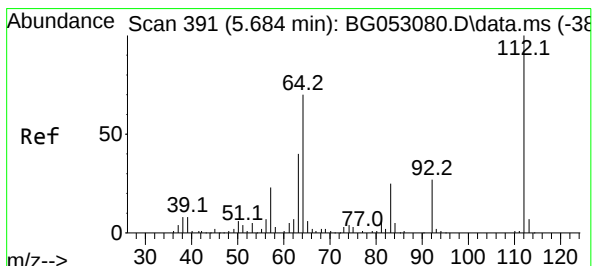
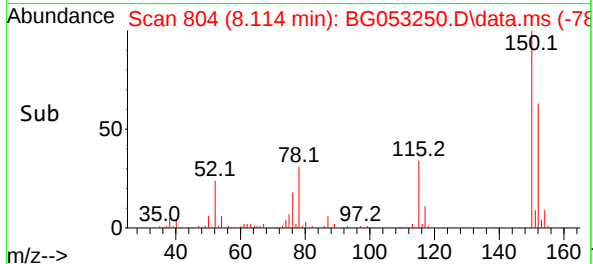
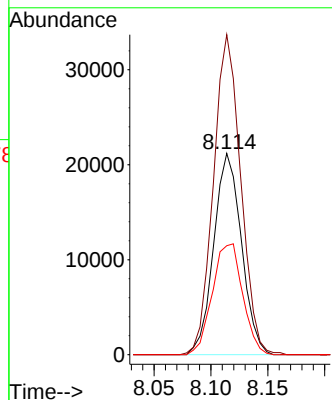
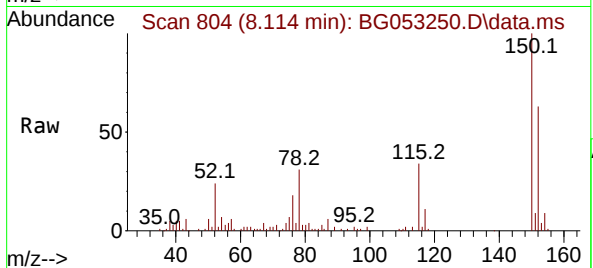




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.114 min Scan# 806
Delta R.T. -0.008 min
Lab File: BG053250.D
Acq: 21 Apr 2022 20:46

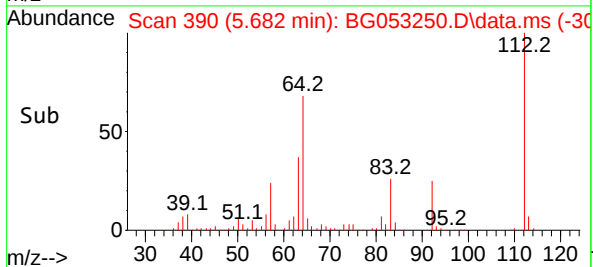
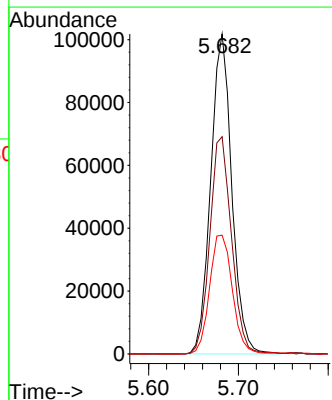
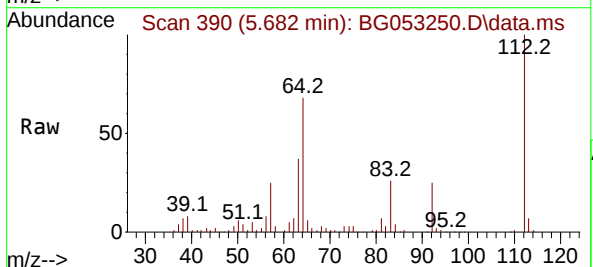
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-2

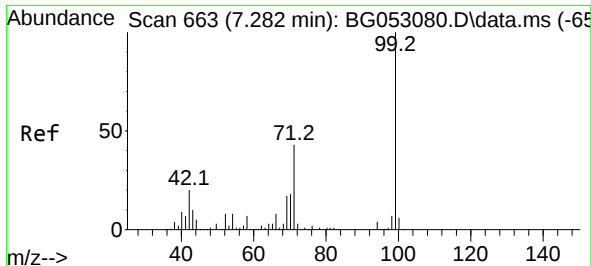
Tgt Ion:152 Resp: 35897
Ion Ratio Lower Upper
152 100
150 159.0 114.6 172.0
115 54.1 45.9 68.9



#5
2-Fluorophenol
Concen: 79.316 ng
RT: 5.682 min Scan# 390
Delta R.T. -0.002 min
Lab File: BG053250.D
Acq: 21 Apr 2022 20:46

Tgt Ion:112 Resp: 166098
Ion Ratio Lower Upper
112 100
64 67.9 48.0 72.0
63 37.1 26.5 39.7

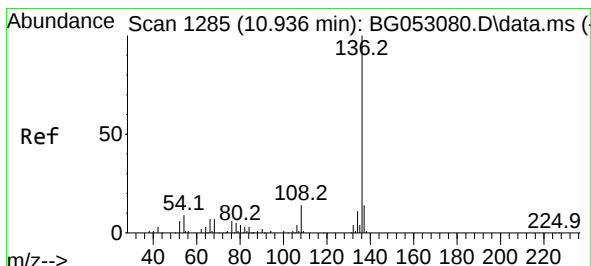
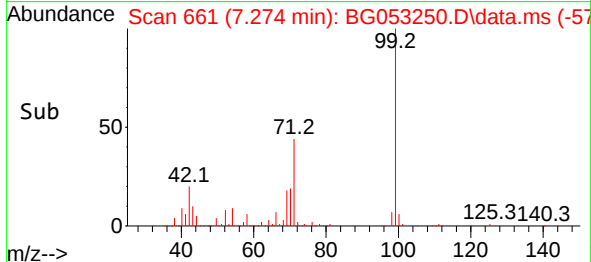
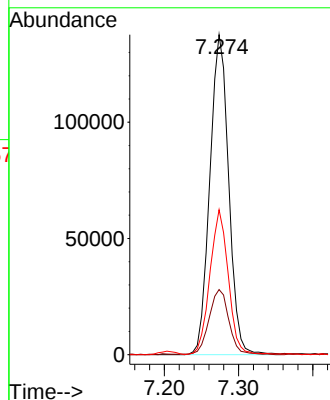
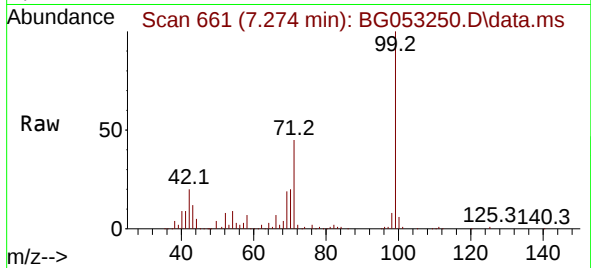




#7
Phenol-d6
Concen: 75.192 ng
RT: 7.274 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG053250.D
Acq: 21 Apr 2022 20:46

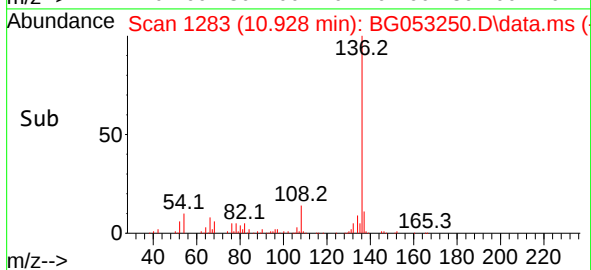
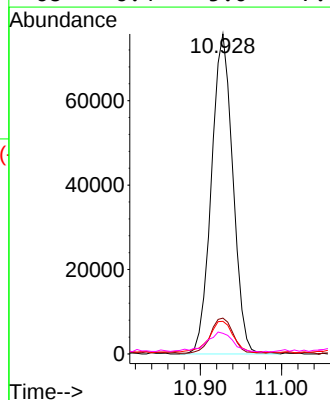
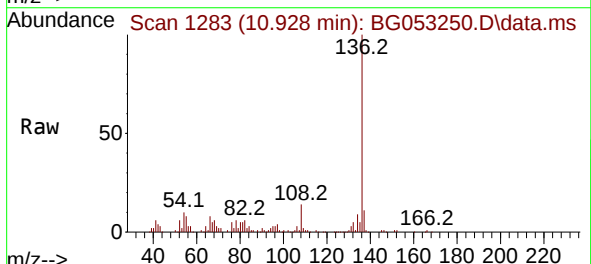
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-2

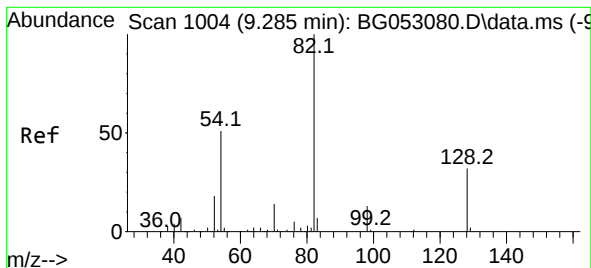
Tgt Ion: 99 Resp: 242820
Ion Ratio Lower Upper
99 100
42 20.3 14.7 22.1
71 45.3 29.2 43.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.928 min Scan# 1283
Delta R.T. -0.008 min
Lab File: BG053250.D
Acq: 21 Apr 2022 20:46

Tgt Ion: 136 Resp: 138854
Ion Ratio Lower Upper
136 100
137 11.2 9.4 14.2
54 10.2 6.4 9.6#
68 6.4 5.0 7.6





#23

Nitrobenzene-d5

Concen: 52.219 ng

RT: 9.277 min Scan# 1002

Delta R.T. -0.008 min

Lab File: BG053250.D

Acq: 21 Apr 2022 20:46

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-2

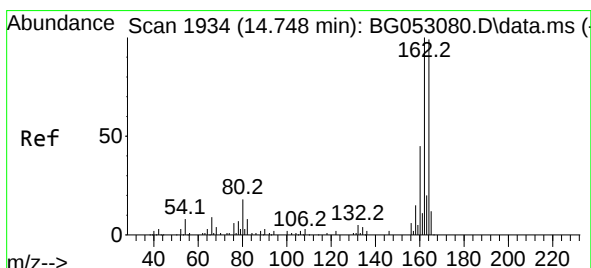
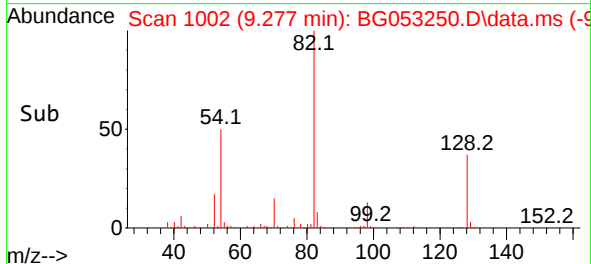
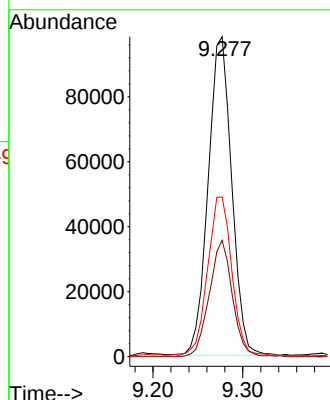
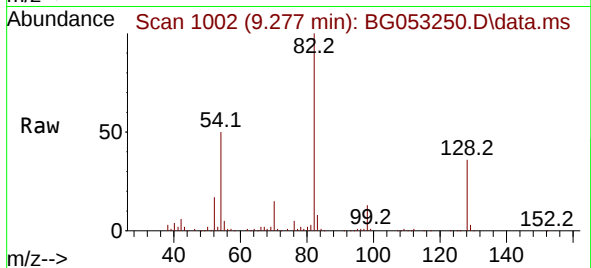
Tgt Ion: 82 Resp: 178575

Ion Ratio Lower Upper

82 100

128 36.4 31.3 46.9

54 49.9 37.8 56.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.740 min Scan# 1932

Delta R.T. -0.008 min

Lab File: BG053250.D

Acq: 21 Apr 2022 20:46

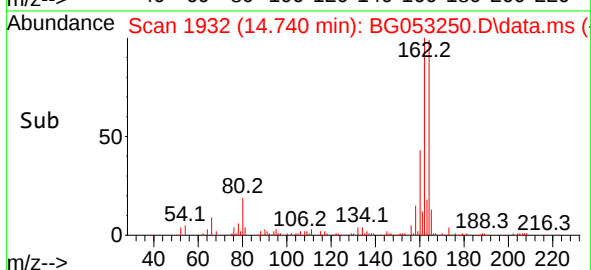
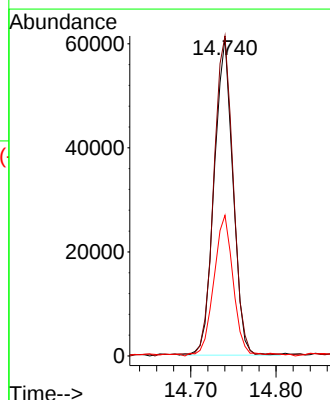
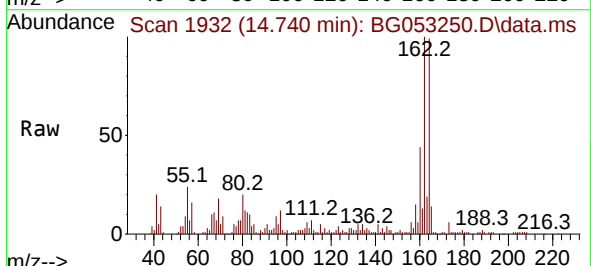
Tgt Ion:164 Resp: 92953

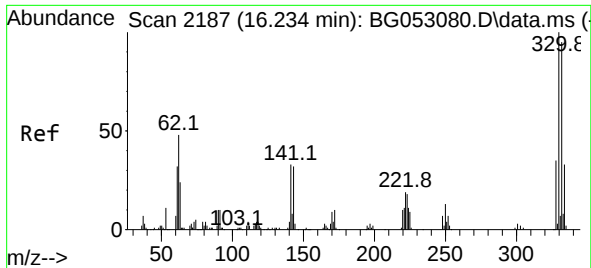
Ion Ratio Lower Upper

164 100

162 100.6 80.0 120.0

160 44.2 38.8 58.2

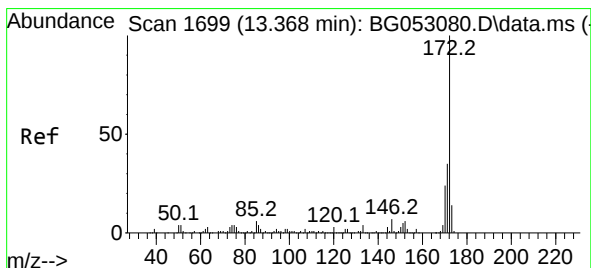
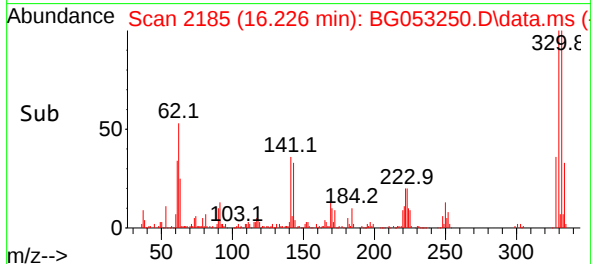
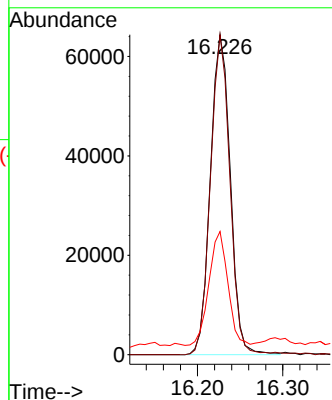
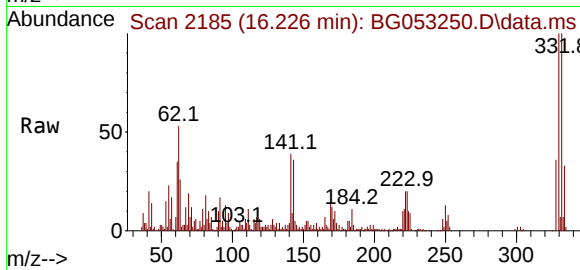




#42
2,4,6-Tribromophenol
Concen: 70.771 ng
RT: 16.226 min Scan# 2187
Delta R.T. -0.008 min
Lab File: BG053250.D
Acq: 21 Apr 2022 20:46

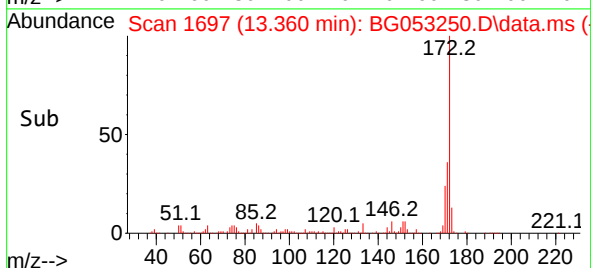
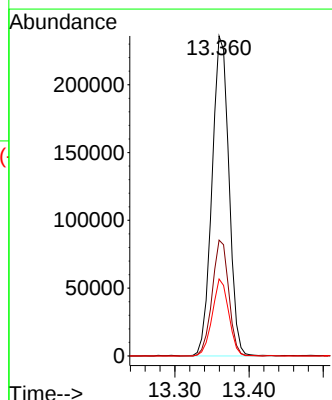
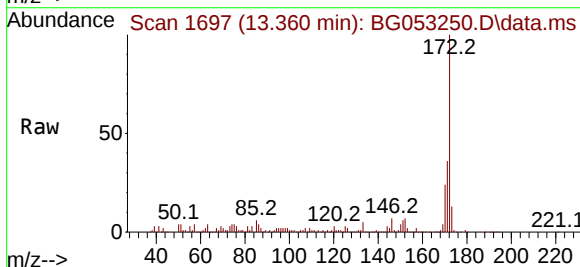
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-2

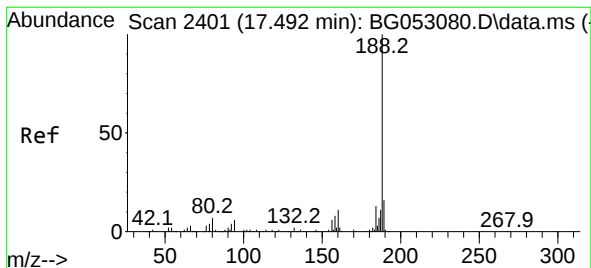
Tgt Ion:330 Resp: 104659
Ion Ratio Lower Upper
330 100
332 96.9 75.8 113.6
141 33.6 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 55.451 ng
RT: 13.360 min Scan# 1697
Delta R.T. -0.008 min
Lab File: BG053250.D
Acq: 21 Apr 2022 20:46

Tgt Ion:172 Resp: 373800
Ion Ratio Lower Upper
172 100
171 36.2 28.3 42.5
170 24.0 18.0 27.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.483 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG053250.D

Acq: 21 Apr 2022 20:46

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-2

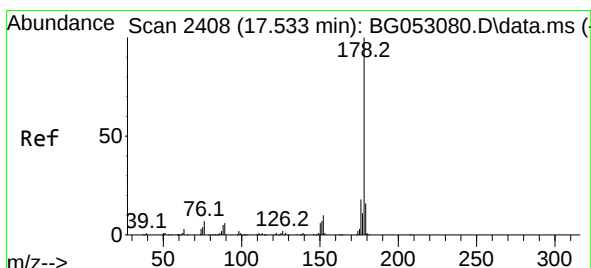
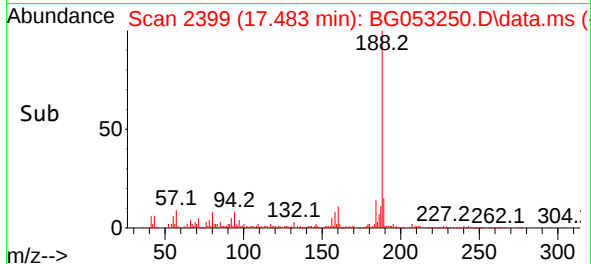
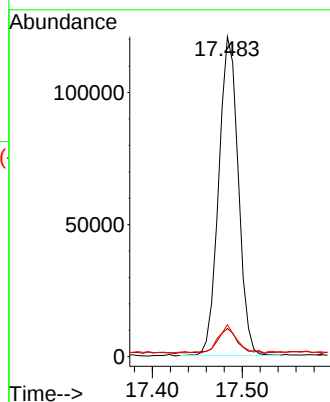
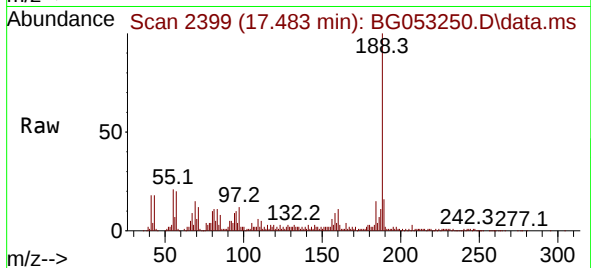
Tgt Ion:188 Resp: 182610

Ion Ratio Lower Upper

188 100

94 8.8 5.7 8.5#

80 10.0 7.2 10.8



#71

Phenanthrene

Concen: 6.663 ng

RT: 17.530 min Scan# 2407

Delta R.T. -0.002 min

Lab File: BG053250.D

Acq: 21 Apr 2022 20:46

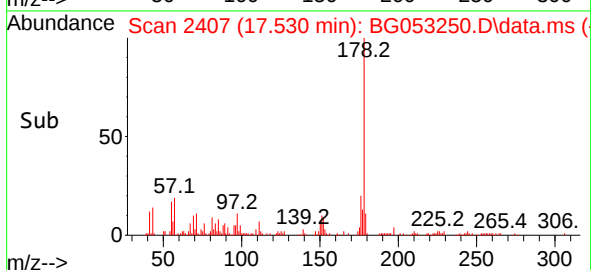
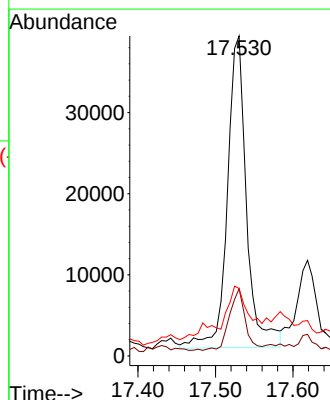
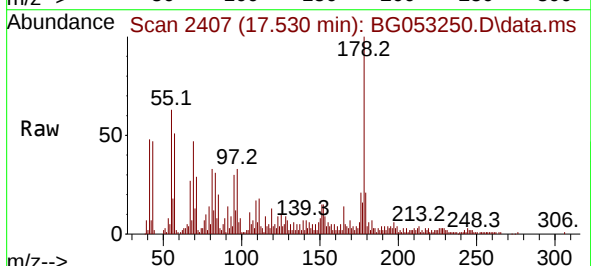
Tgt Ion:178 Resp: 66458

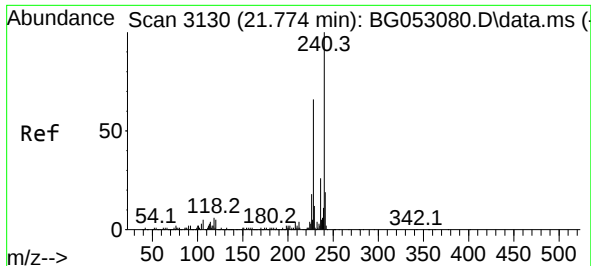
Ion Ratio Lower Upper

178 100

176 21.0 15.9 23.9

179 21.1 13.4 20.2#

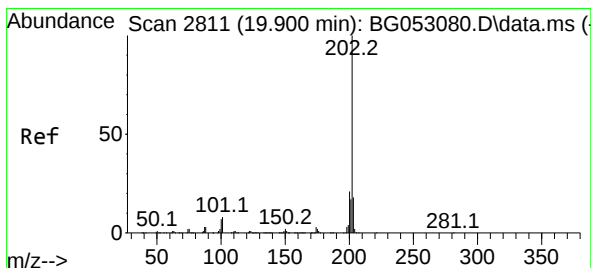
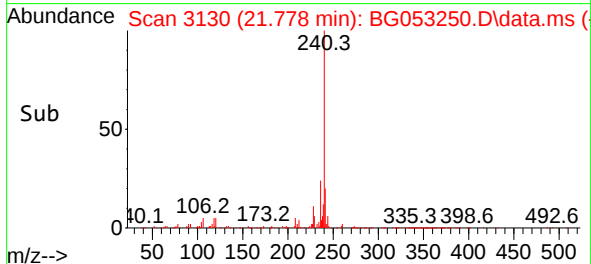
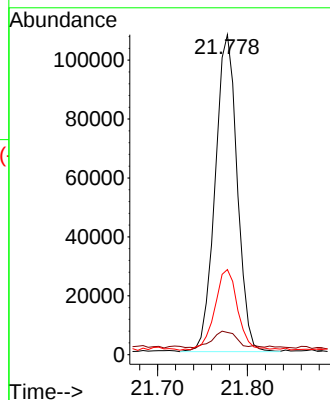
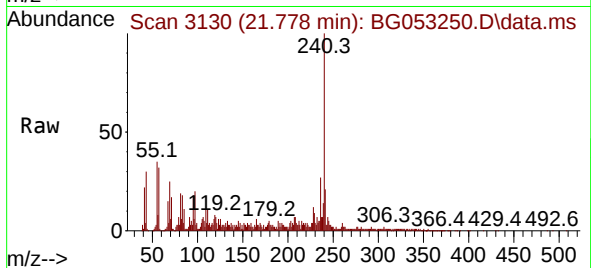




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.778 min Scan# 31
Delta R.T. 0.004 min
Lab File: BG053250.D
Acq: 21 Apr 2022 20:46

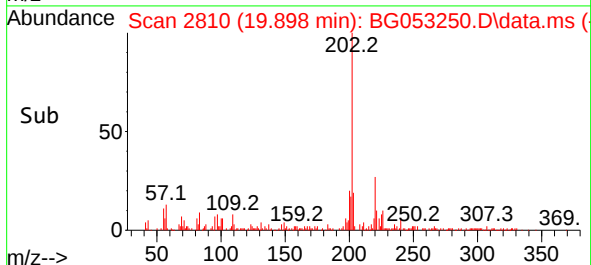
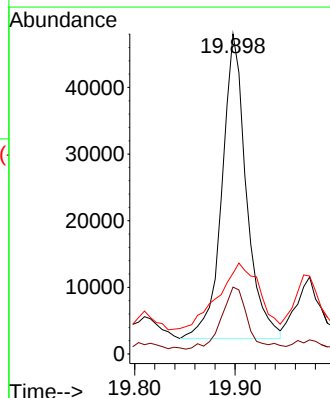
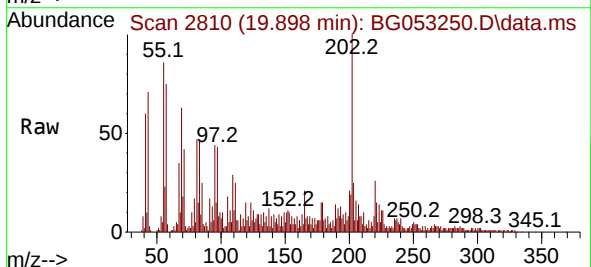
Instrument :
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WC-16-1A-2

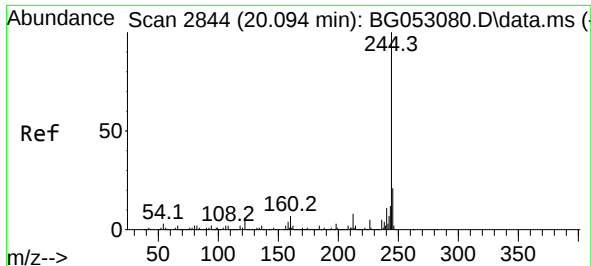
Tgt Ion:240 Resp: 183072
Ion Ratio Lower Upper
240 100
120 7.0 5.4 8.0
236 26.6 19.8 29.6



#78
Pyrene
Concen: 5.923 ng
RT: 19.898 min Scan# 2810
Delta R.T. -0.002 min
Lab File: BG053250.D
Acq: 21 Apr 2022 20:46

Tgt Ion:202 Resp: 77225
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.6
203 25.2 15.0 22.6#

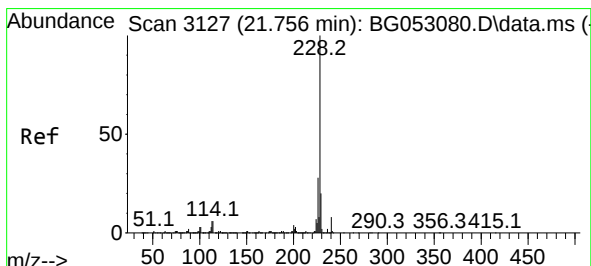
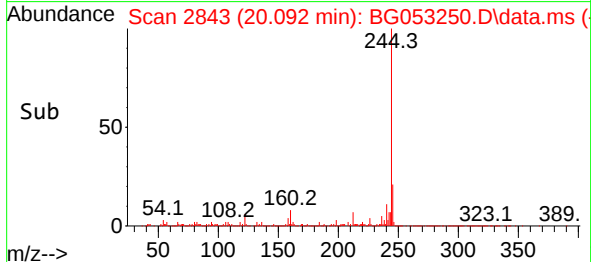
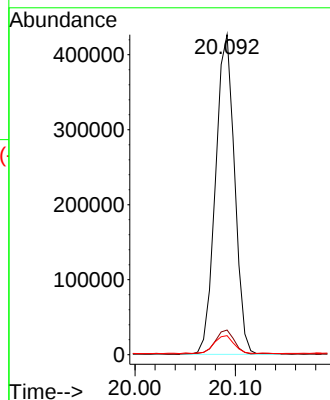
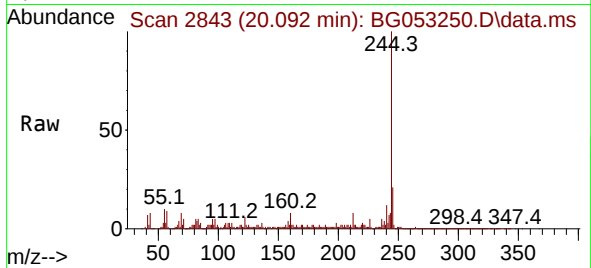




#79
 Terphenyl-d14
 Concen: 51.778 ng
 RT: 20.092 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG053250.D
 Acq: 21 Apr 2022 20:46

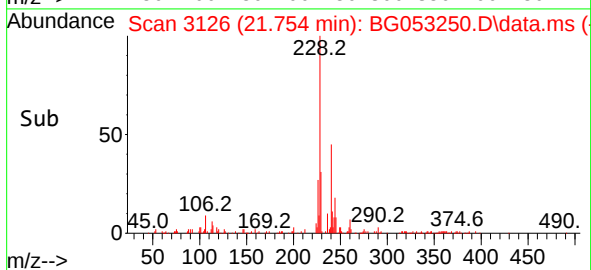
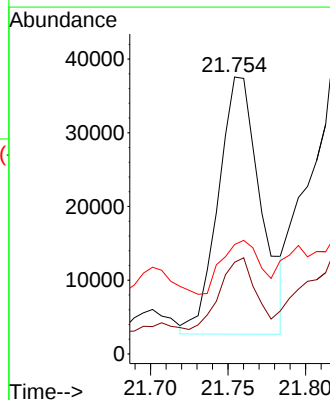
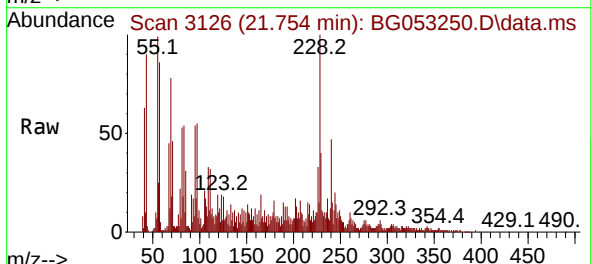
Instrument :
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 ClientSampleId :
 WC-16-1A-2

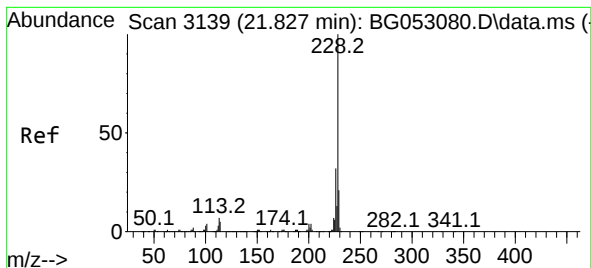
Tgt Ion:244 Resp: 561254
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.4 8.2
 122 6.0 5.8 8.6



#81
 Benzo(a)anthracene
 Concen: 5.319 ng
 RT: 21.754 min Scan# 3126
 Delta R.T. -0.002 min
 Lab File: BG053250.D
 Acq: 21 Apr 2022 20:46

Tgt Ion:228 Resp: 66577
 Ion Ratio Lower Upper
 228 100
 226 33.1 21.4 32.0#
 229 39.5 16.7 25.1#





#83

Chrysene

Concen: 8.619 ng

RT: 21.825 min Scan# 3139

Delta R.T. -0.002 min

Lab File: BG053250.D

Acq: 21 Apr 2022 20:46

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-2

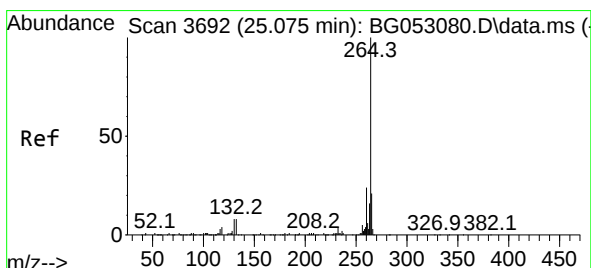
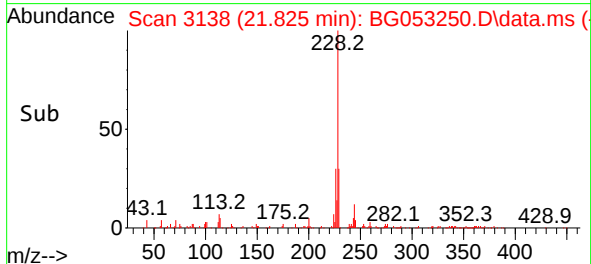
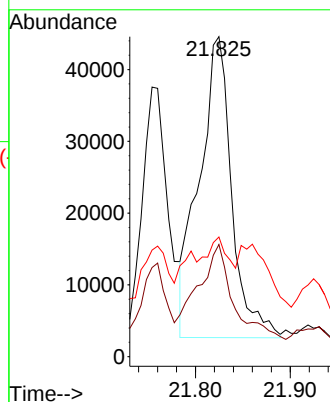
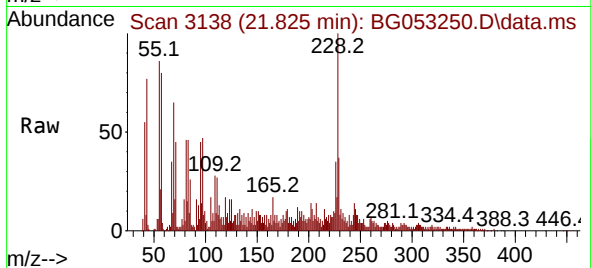
Tgt Ion:228 Resp: 100121

Ion Ratio Lower Upper

228 100

226 35.1 24.2 36.4

229 37.4 16.3 24.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.091 min Scan# 3694

Delta R.T. 0.015 min

Lab File: BG053250.D

Acq: 21 Apr 2022 20:46

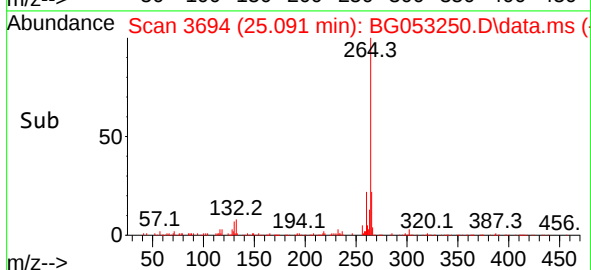
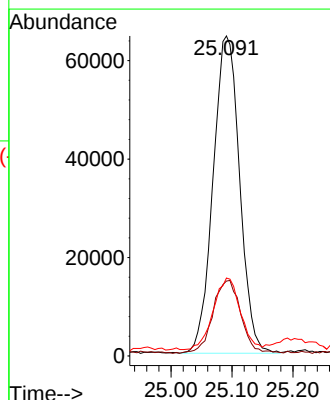
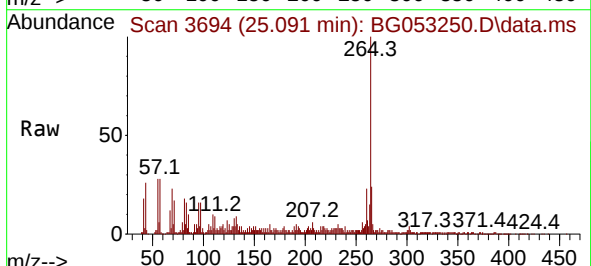
Tgt Ion:264 Resp: 195129

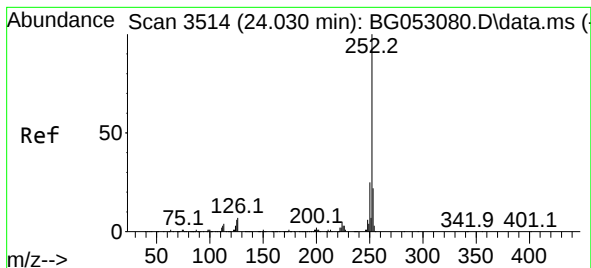
Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.2

265 24.4 15.1 22.7#





#88

Benzo(b)fluoranthene

Concen: 3.213 ng

RT: 24.039 min Scan# 3

Delta R.T. 0.010 min

Lab File: BG053250.D

Acq: 21 Apr 2022 20:46

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-2

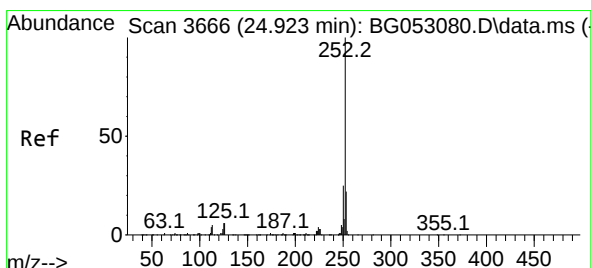
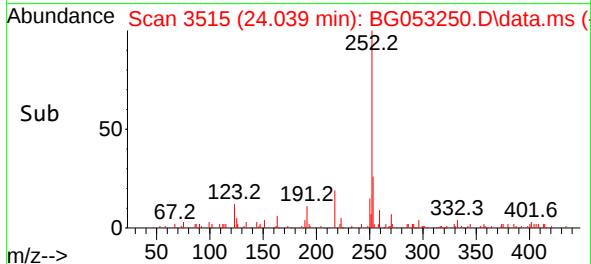
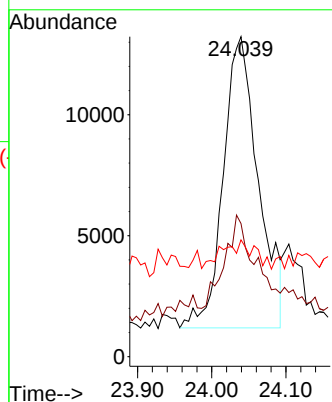
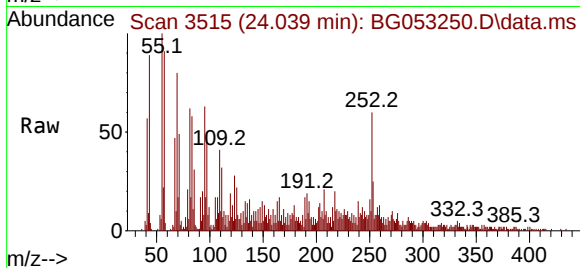
Tgt Ion:252 Resp: 39553

Ion Ratio Lower Upper

252 100

253 41.6 17.2 25.8#

125 36.5 5.2 7.8#



#90

Benzo(a)pyrene

Concen: 5.293 ng

RT: 24.932 min Scan# 3667

Delta R.T. 0.010 min

Lab File: BG053250.D

Acq: 21 Apr 2022 20:46

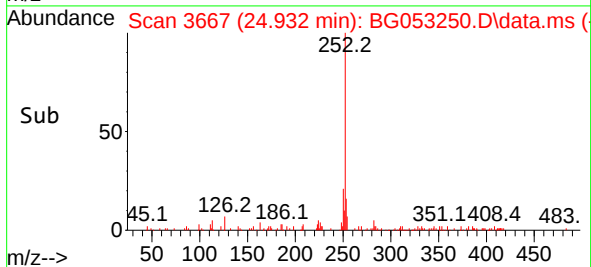
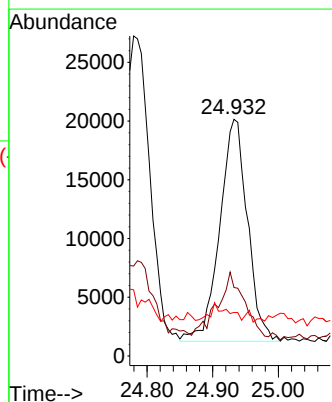
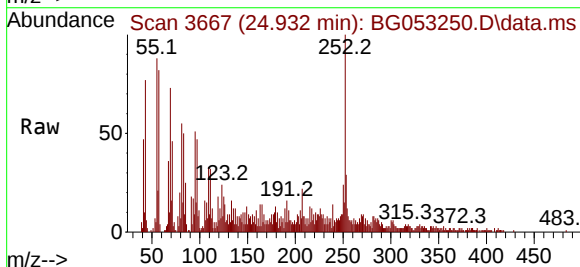
Tgt Ion:252 Resp: 55516

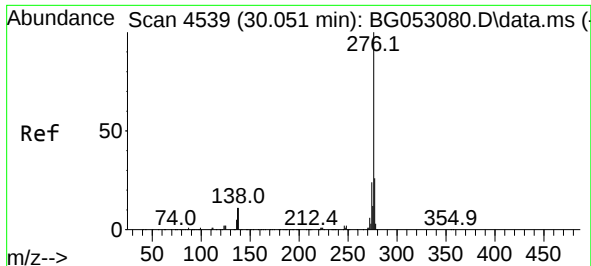
Ion Ratio Lower Upper

252 100

253 28.9 18.4 27.6#

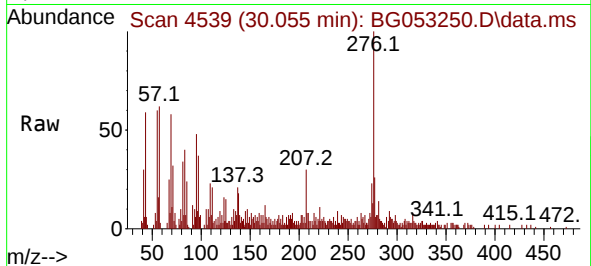
125 18.4 5.6 8.4#





#92
 Benzo(g,h,i)perylene
 Concen: 4.587 ng
 RT: 30.055 min Scan# 41
 Delta R.T. 0.004 min
 Lab File: BG053250.D
 Acq: 21 Apr 2022 20:46

Instrument :
 BNA_G
 ClientSampleId :
 WC-16-1A-2



Tgt Ion:	276	Resp:	53947
Ion Ratio	Lower	Upper	
276	100		
277	25.7	18.2	27.2
138	18.3	9.1	13.7#

