

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041922\
 Data File : BG053203.D
 Acq On : 19 Apr 2022 19:54
 Operator : CG/JU
 Sample : N2452-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-15-1-2

Quant Time: Apr 20 05:43:01 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)

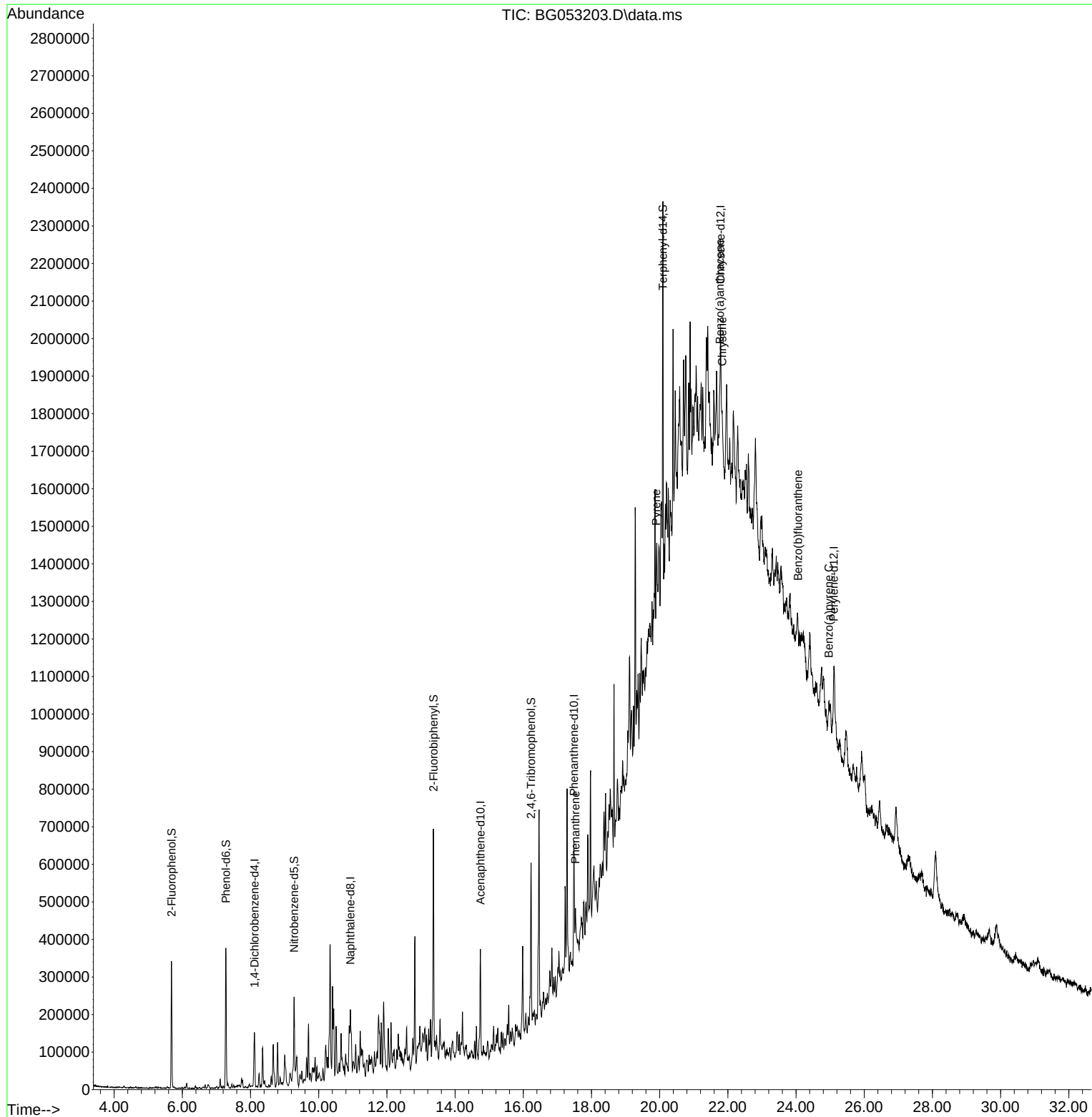
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.116	152	34780	20.000	ng	0.00
21) Naphthalene-d8	10.930	136	137369	20.000	ng	0.00
39) Acenaphthene-d10	14.743	164	94933	20.000	ng	0.00
64) Phenanthrene-d10	17.486	188	179554	20.000	ng	0.00
76) Chrysene-d12	21.786	240	175343	20.000	ng	# 0.01
86) Perylene-d12	25.111	264	181260	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.684	112	135598	66.831	ng	0.00
7) Phenol-d6	7.276	99	205298	65.614	ng	0.00
23) Nitrobenzene-d5	9.279	82	151381	44.745	ng	0.00
42) 2,4,6-Tribromophenol	16.229	330	90151	59.689	ng	0.00
45) 2-Fluorobiphenyl	13.368	172	329932	47.923	ng	0.00
79) Terphenyl-d14	20.094	244	454376	43.765	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.533	178	55027	5.611	ng	# 93
78) Pyrene	19.900	202	76770	6.148	ng	# 90
81) Benzo(a)anthracene	21.763	228	65064	5.427	ng	# 66
83) Chrysene	21.833	228	120469	10.827	ng	# 77
88) Benzo(b)fluoranthene	24.059	252	31805	2.781	ng	# 14
90) Benzo(a)pyrene	24.958	252	45570	4.677	ng	# 50

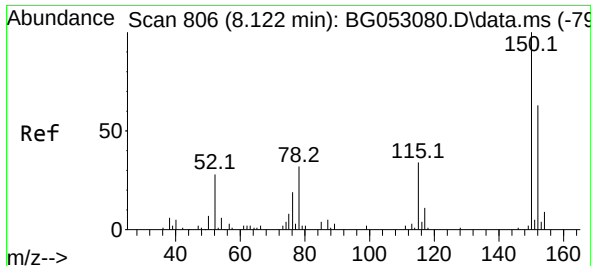
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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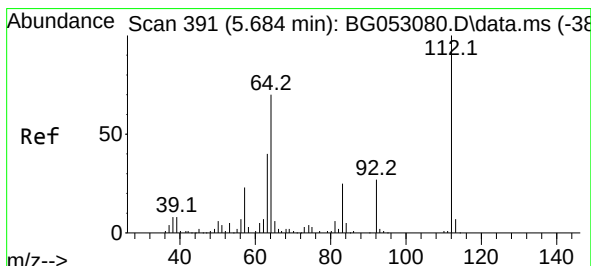
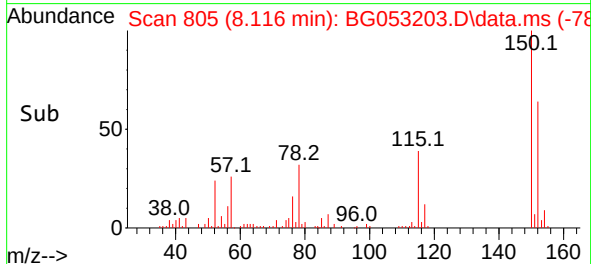
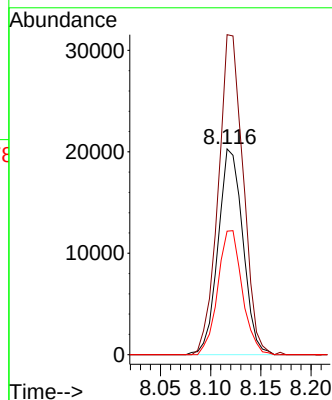
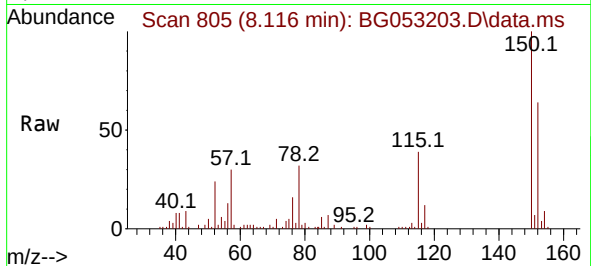




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.116 min Scan# 806
Delta R.T. -0.006 min
Lab File: BG053203.D
Acq: 19 Apr 2022 19:54

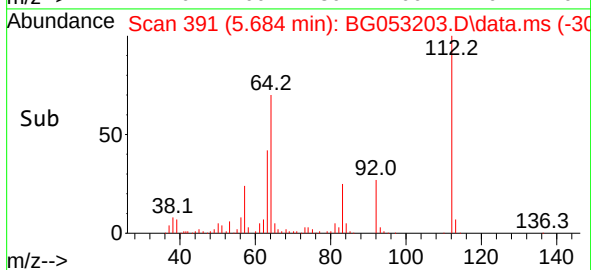
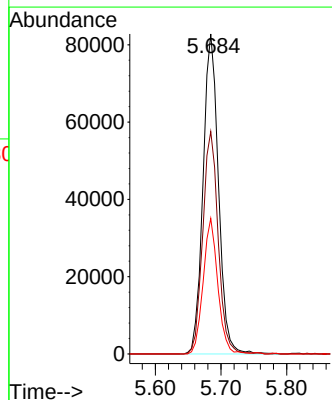
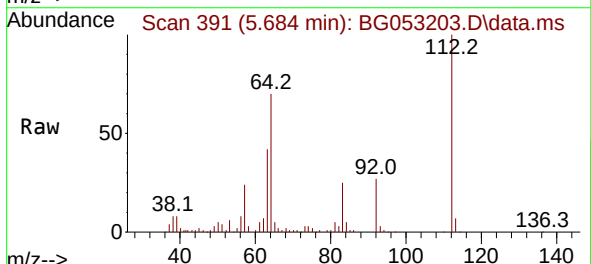
Instrument :
BNA_G
ClientSampleId :
WC-15-1-2

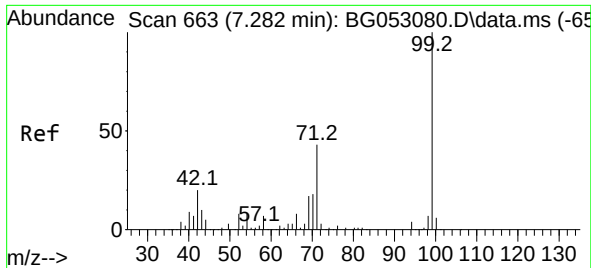
Tgt Ion:152 Resp: 34780
Ion Ratio Lower Upper
152 100
150 155.5 114.6 172.0
115 60.0 45.9 68.9



#5
2-Fluorophenol
Concen: 66.831 ng
RT: 5.684 min Scan# 391
Delta R.T. 0.000 min
Lab File: BG053203.D
Acq: 19 Apr 2022 19:54

Tgt Ion:112 Resp: 135598
Ion Ratio Lower Upper
112 100
64 69.5 48.0 72.0
63 42.3 26.5 39.7#

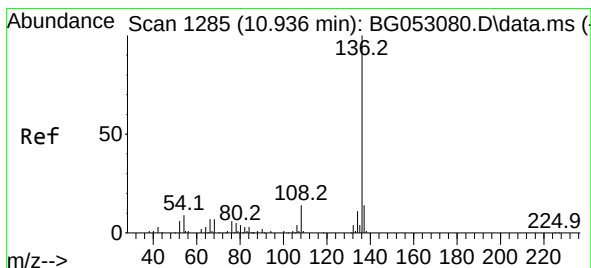
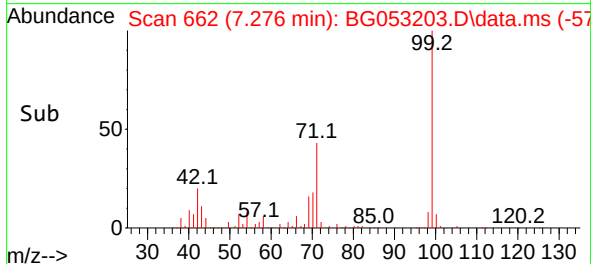
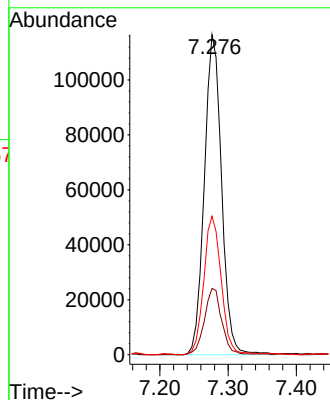
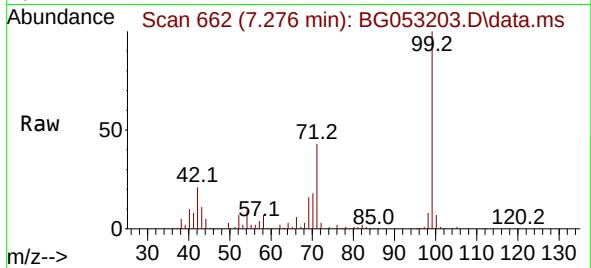




#7
Phenol-d6
Concen: 65.614 ng
RT: 7.276 min Scan# 60
Delta R.T. -0.006 min
Lab File: BG053203.D
Acq: 19 Apr 2022 19:54

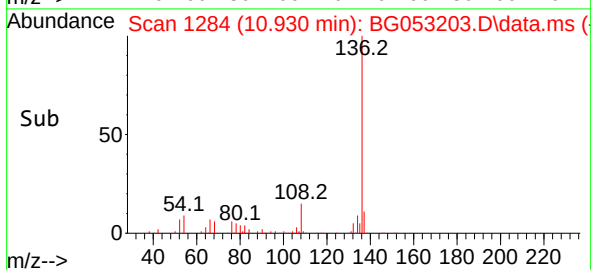
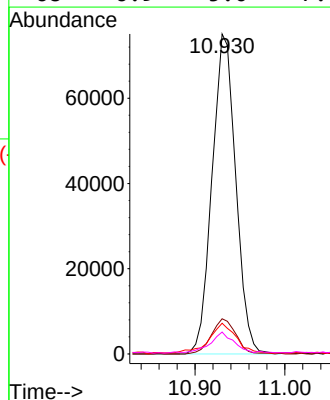
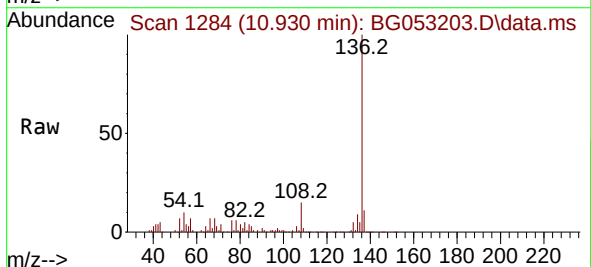
Instrument :
BNA_G
ClientSampleId :
WC-15-1-2

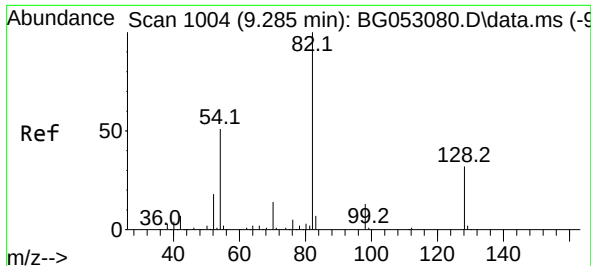
Tgt Ion: 99 Resp: 205298
Ion Ratio Lower Upper
99 100
42 20.7 14.7 22.1
71 43.2 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.930 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BG053203.D
Acq: 19 Apr 2022 19:54

Tgt Ion: 136 Resp: 137369
Ion Ratio Lower Upper
136 100
137 11.0 9.4 14.2
54 9.6 6.4 9.6
68 6.9 5.0 7.6

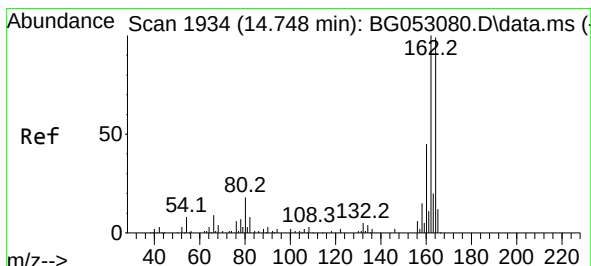
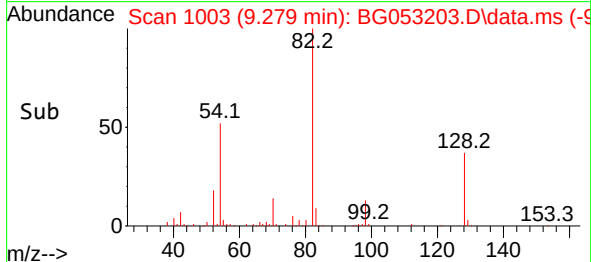
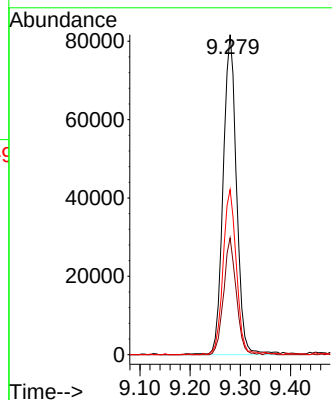
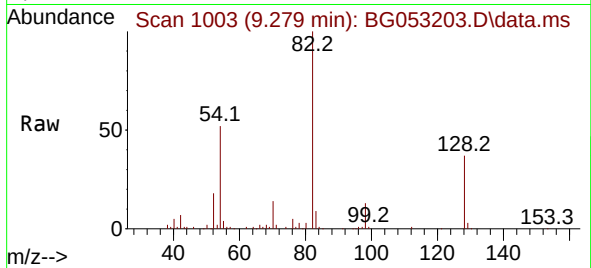




#23
Nitrobenzene-d5
Concen: 44.745 ng
RT: 9.279 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BG053203.D
Acq: 19 Apr 2022 19:54

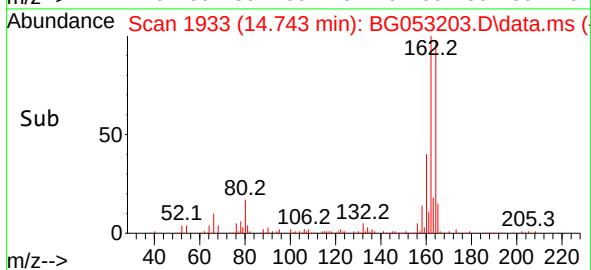
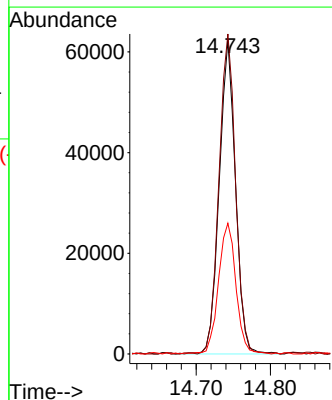
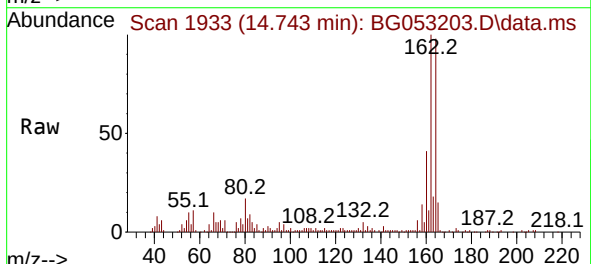
Instrument :
BNA_G
ClientSampleId :
WC-15-1-2

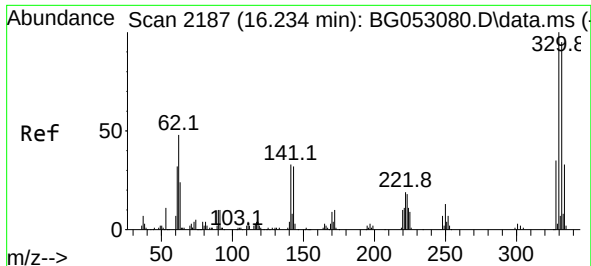
Tgt Ion: 82 Resp: 151381
Ion Ratio Lower Upper
82 100
128 36.5 31.3 46.9
54 51.6 37.8 56.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.743 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BG053203.D
Acq: 19 Apr 2022 19:54

Tgt Ion: 164 Resp: 94933
Ion Ratio Lower Upper
164 100
162 102.0 80.0 120.0
160 41.7 38.8 58.2





#42

2,4,6-Tribromophenol

Concen: 59.689 ng

RT: 16.229 min Scan# 2187

Delta R.T. -0.006 min

Lab File: BG053203.D

Acq: 19 Apr 2022 19:54

Instrument :

BNA_G

ClientSampleId :

WC-15-1-2

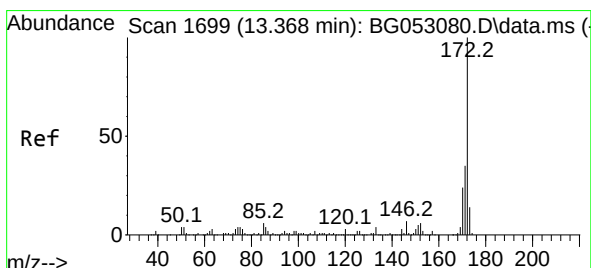
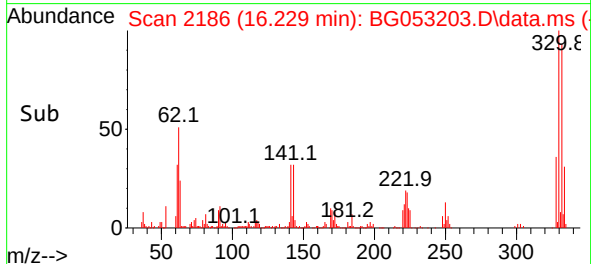
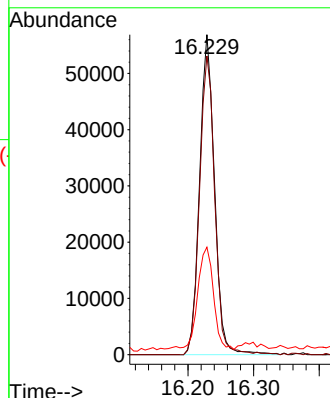
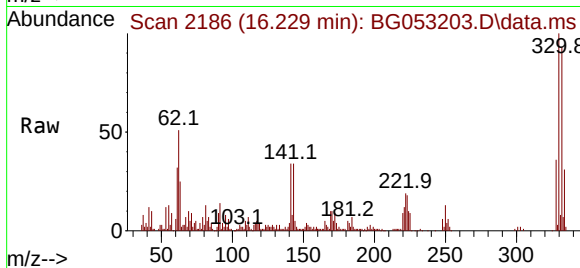
Tgt Ion:330 Resp: 90151

Ion Ratio Lower Upper

330 100

332 94.9 75.8 113.6

141 34.4 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 47.923 ng

RT: 13.368 min Scan# 1699

Delta R.T. 0.000 min

Lab File: BG053203.D

Acq: 19 Apr 2022 19:54

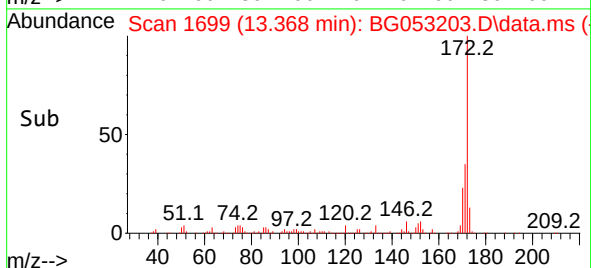
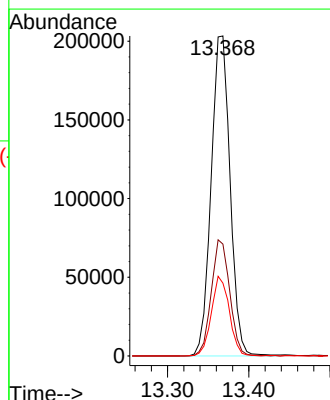
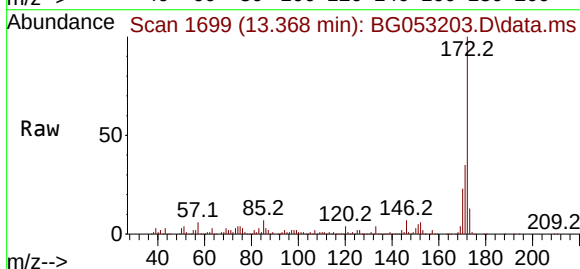
Tgt Ion:172 Resp: 329932

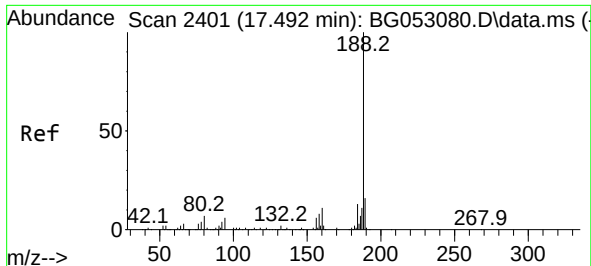
Ion Ratio Lower Upper

172 100

171 34.9 28.3 42.5

170 22.8 18.0 27.0

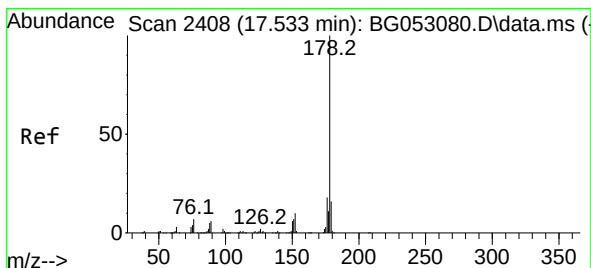
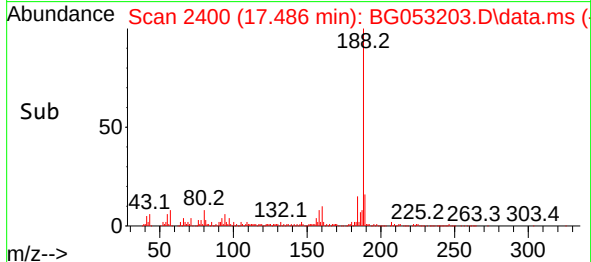
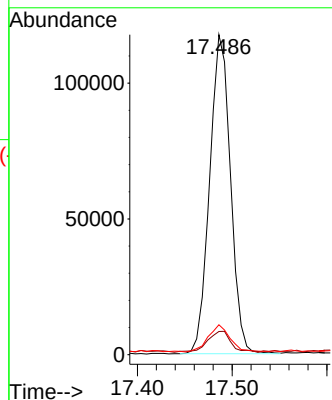
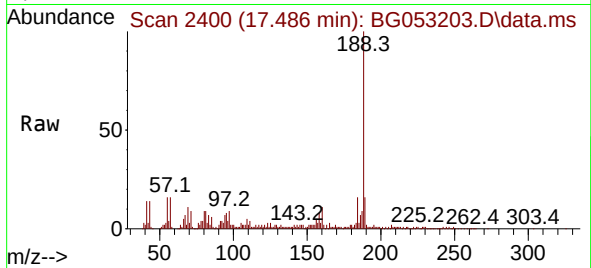




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.486 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BG053203.D
Acq: 19 Apr 2022 19:54

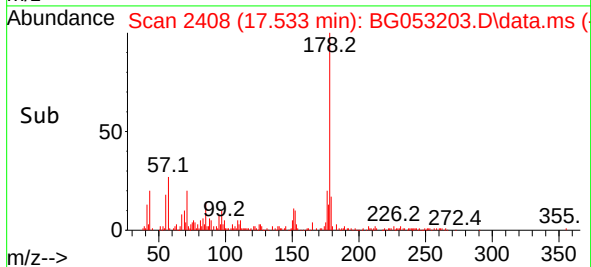
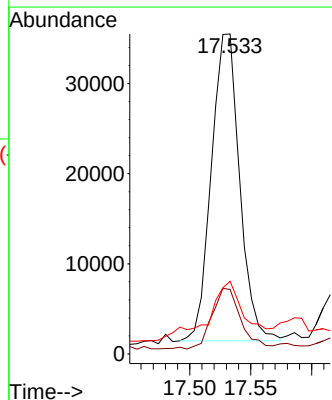
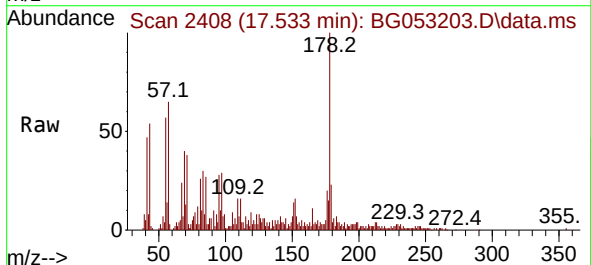
Instrument :
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WC-15-1-2

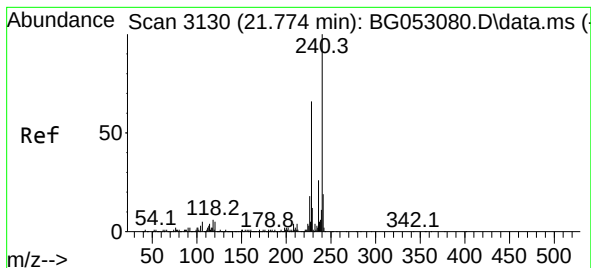
Tgt Ion:188 Resp: 179554
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 9.4 7.2 10.8



#71
Phenanthrene
Concen: 5.611 ng
RT: 17.533 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BG053203.D
Acq: 19 Apr 2022 19:54

Tgt Ion:178 Resp: 55027
Ion Ratio Lower Upper
178 100
176 20.2 15.9 23.9
179 22.7 13.4 20.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.786 min Scan# 3130

Delta R.T. 0.012 min

Lab File: BG053203.D

Acq: 19 Apr 2022 19:54

Instrument :

BNA_G

ClientSampleId :

WC-15-1-2

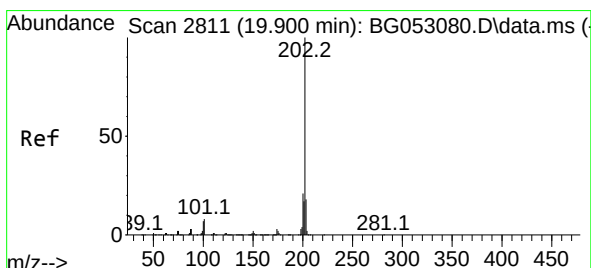
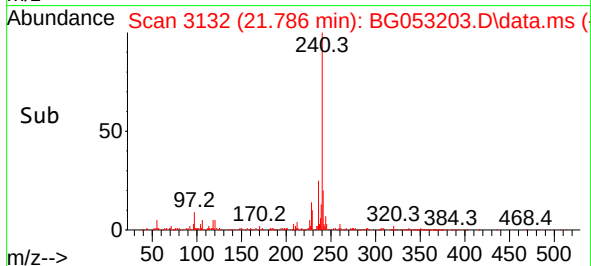
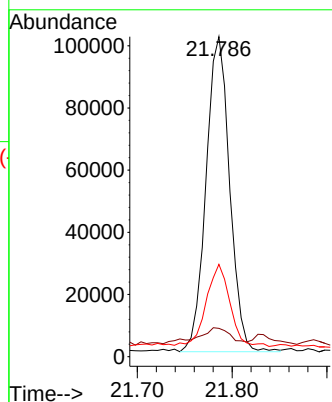
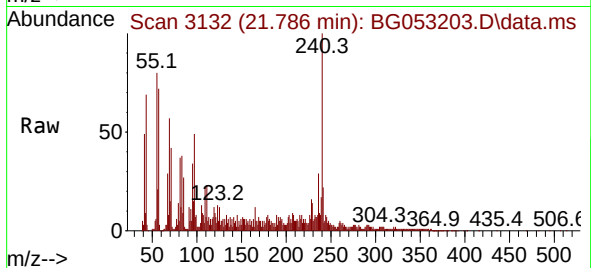
Tgt Ion:240 Resp: 175343

Ion Ratio Lower Upper

240 100

120 8.8 5.4 8.0#

236 28.8 19.8 29.6



#78

Pyrene

Concen: 6.148 ng

RT: 19.900 min Scan# 2811

Delta R.T. 0.000 min

Lab File: BG053203.D

Acq: 19 Apr 2022 19:54

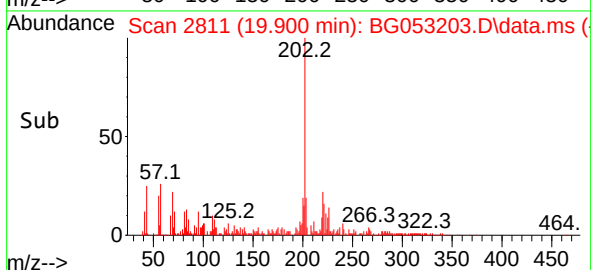
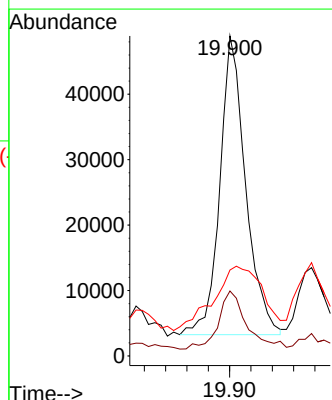
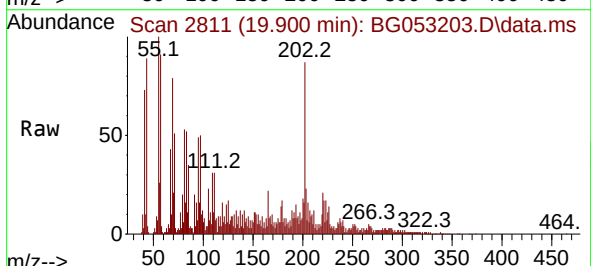
Tgt Ion:202 Resp: 76770

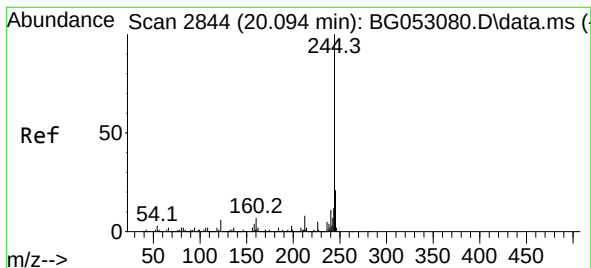
Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.6

203 26.9 15.0 22.6#





#79

Terphenyl-d14

Concen: 43.765 ng

RT: 20.094 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG053203.D

Acq: 19 Apr 2022 19:54

Instrument :

BNA_G

ClientSampleId :

WC-15-1-2

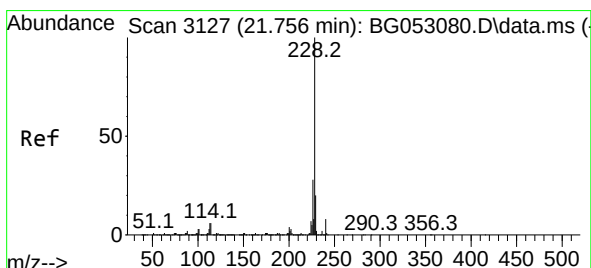
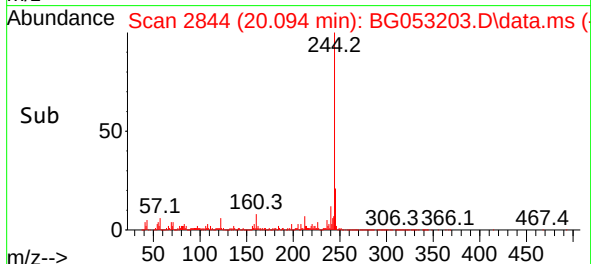
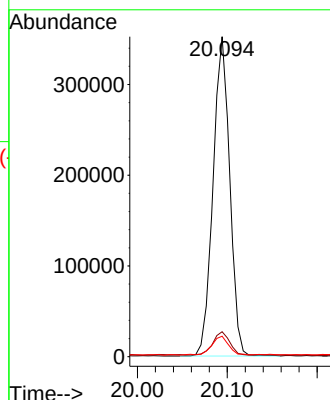
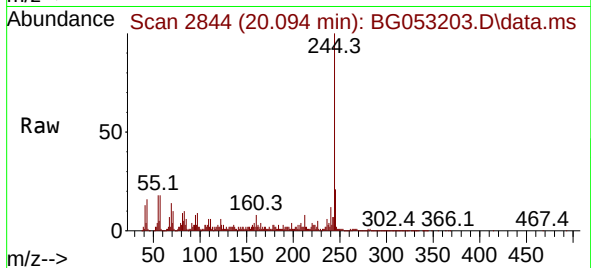
Tgt Ion:244 Resp: 454376

Ion Ratio Lower Upper

244 100

212 7.8 5.4 8.2

122 6.4 5.8 8.6



#81

Benzo(a)anthracene

Concen: 5.427 ng

RT: 21.763 min Scan# 3128

Delta R.T. 0.006 min

Lab File: BG053203.D

Acq: 19 Apr 2022 19:54

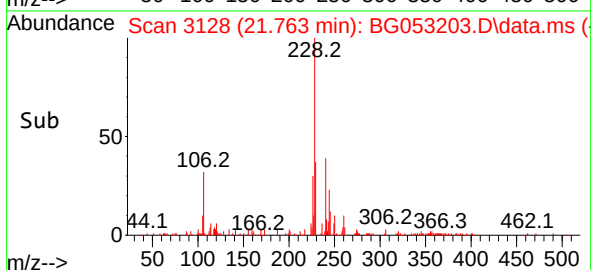
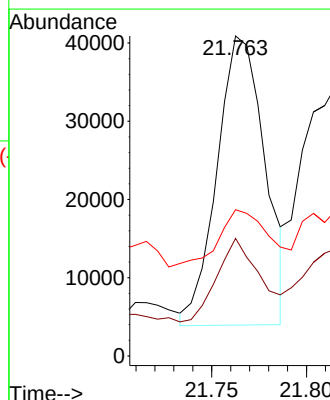
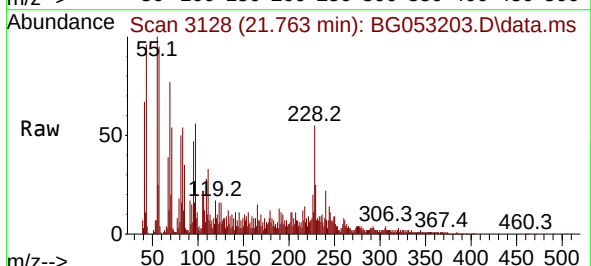
Tgt Ion:228 Resp: 65064

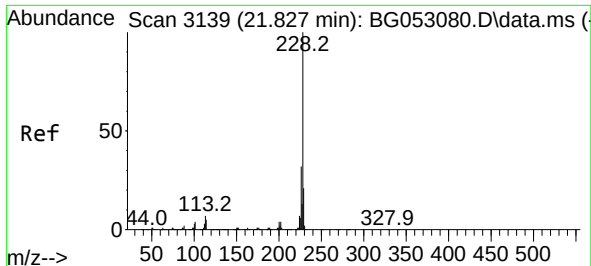
Ion Ratio Lower Upper

228 100

226 36.7 21.4 32.0#

229 45.7 16.7 25.1#





#83

Chrysene

Concen: 10.827 ng

RT: 21.833 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG053203.D

Acq: 19 Apr 2022 19:54

Instrument :

BNA_G

ClientSampleId :

WC-15-1-2

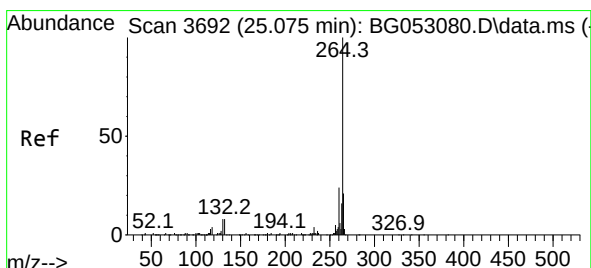
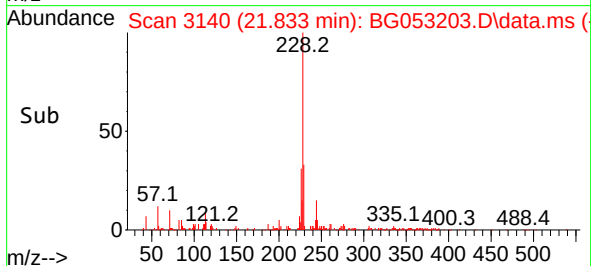
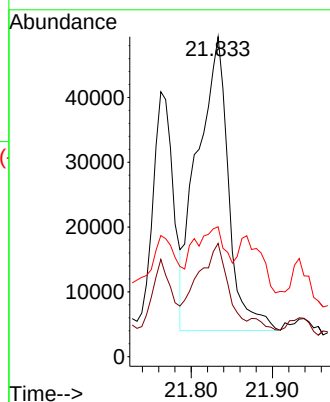
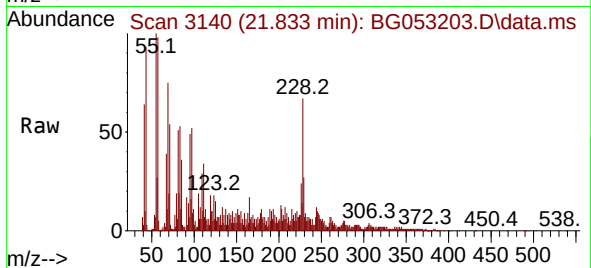
Tgt Ion:228 Resp: 120469

Ion Ratio Lower Upper

228 100

226 35.4 24.2 36.4

229 40.6 16.3 24.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.111 min Scan# 3698

Delta R.T. 0.036 min

Lab File: BG053203.D

Acq: 19 Apr 2022 19:54

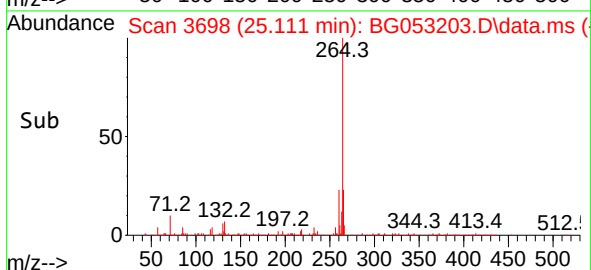
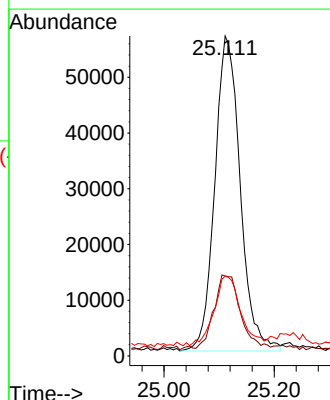
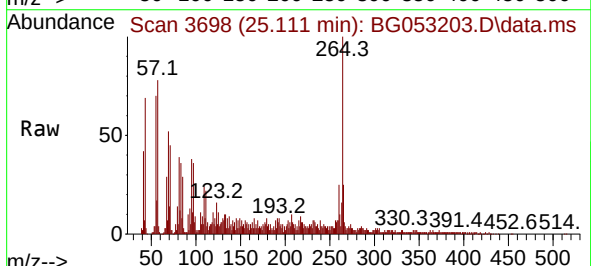
Tgt Ion:264 Resp: 181260

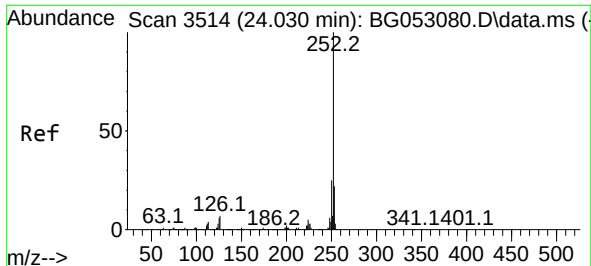
Ion Ratio Lower Upper

264 100

260 25.0 18.2 27.2

265 24.9 15.1 22.7#

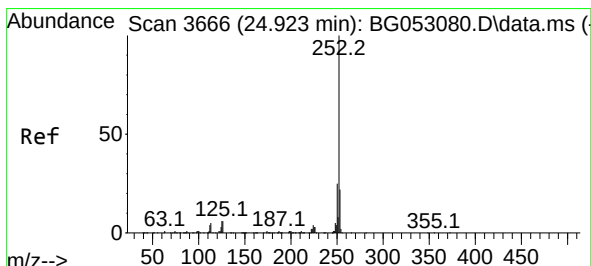
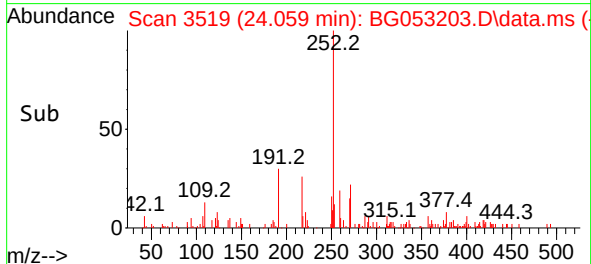
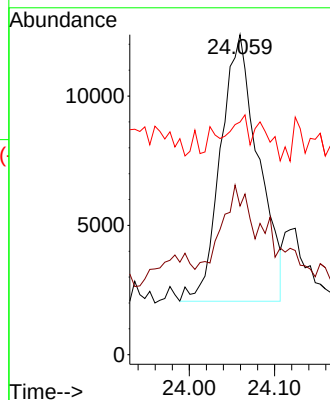
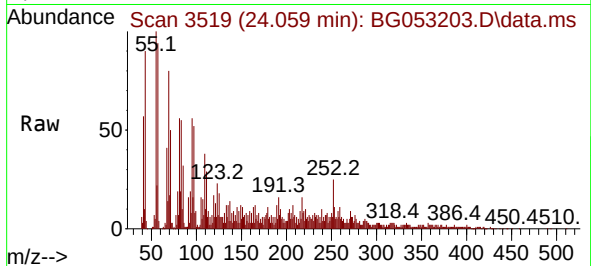




#88
Benzo(b)fluoranthene
Concen: 2.781 ng
RT: 24.059 min Scan# 31805
Delta R.T. 0.030 min
Lab File: BG053203.D
Acq: 19 Apr 2022 19:54

Instrument :
BNA_G
ClientSampleId :
WC-15-1-2

Tgt Ion:252 Resp: 31805
Ion Ratio Lower Upper
252 100
253 46.5 17.2 25.8#
125 72.7 5.2 7.8#



#90
Benzo(a)pyrene
Concen: 4.677 ng
RT: 24.958 min Scan# 3672
Delta R.T. 0.036 min
Lab File: BG053203.D
Acq: 19 Apr 2022 19:54

Tgt Ion:252 Resp: 45570
Ion Ratio Lower Upper
252 100
253 37.8 18.4 27.6#
125 46.1 5.6 8.4#

