

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042022\
 Data File : BG053234.D
 Acq On : 21 Apr 2022 2:58
 Operator : CG/JU
 Sample : N2444-12DL 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-12

Quant Time: Apr 21 06:06:01 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)

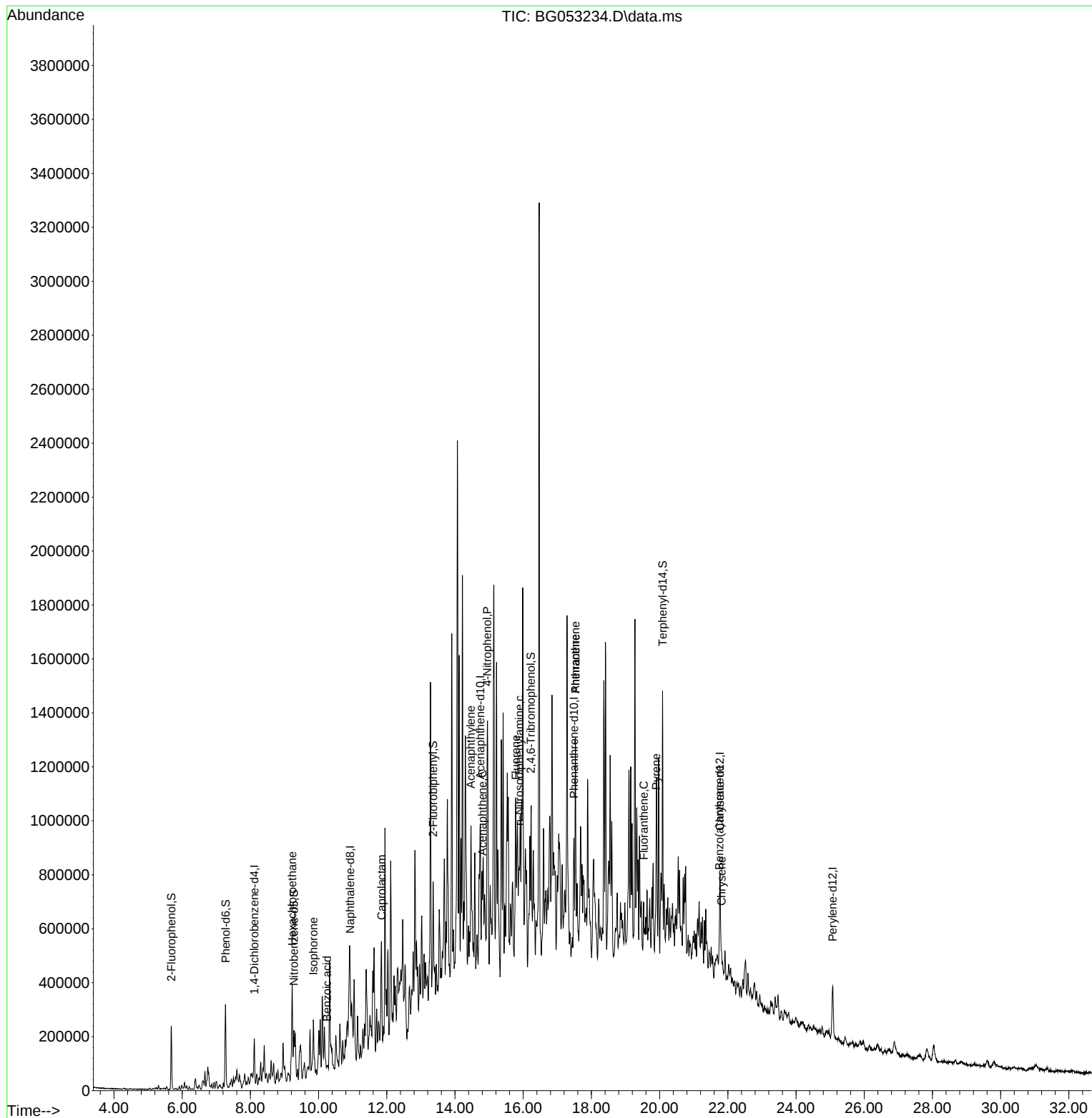
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.114	152	42861	20.000	ng	0.00
21) Naphthalene-d8	10.928	136	146930	20.000	ng	# 0.00
39) Acenaphthene-d10	14.740	164	98936	20.000	ng	0.00
64) Phenanthrene-d10	17.490	188	197882	20.000	ng	0.00
76) Chrysene-d12	21.766	240	209296	20.000	ng	0.00
86) Perylene-d12	25.073	264	225434	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.682	112	102263	40.899	ng	0.00
7) Phenol-d6	7.274	99	143142	37.123	ng	0.00
23) Nitrobenzene-d5	9.277	82	105189	29.069	ng	0.00
42) 2,4,6-Tribromophenol	16.227	330	52598	33.416	ng	0.00
45) 2-Fluorobiphenyl	13.360	172	200705	27.973	ng	0.00
79) Terphenyl-d14	20.086	244	319033	25.744	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	9.230	117	34007	28.359	ng	# 1
25) Isophorone	9.847	82	20933	3.403	ng	# 1
32) Benzoic acid	10.246	122	68	3.675	ng	# 1
35) Caprolactam	11.850	113	2271	2.431	ng	# 1
49) Acenaphthylene	14.464	152	24040	2.702	ng	# 1
52) Acenaphthene	14.805	154	46722	7.743	ng	# 78
56) 4-Nitrophenol	14.946	139	49003	36.807	ng	# 32
58) Fluorene	15.786	166	116796	15.305	ng	# 91
66) n-Nitrosodiphenylamine	15.892	169	68814	12.093	ng	93
71) Phenanthrene	17.531	178	459176	42.482	ng	97
72) Anthracene	17.531	178	459176	42.881	ng	98
75) Fluoranthene	19.534	202	33641	2.428	ng	77
78) Pyrene	19.898	202	190211	12.761	ng	# 85
81) Benzo(a)anthracene	21.754	228	53516	3.740	ng	# 34
83) Chrysene	21.813	228	100630	7.577	ng	# 66

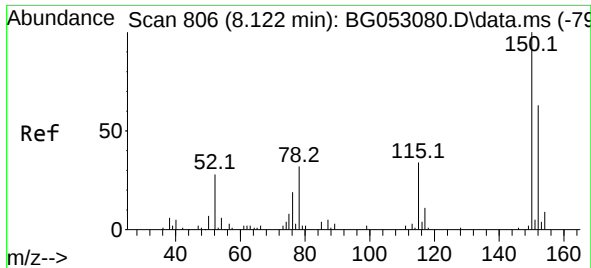
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042022\
Data File : BG053234.D
Acq On : 21 Apr 2022 2:58
Operator : CG/JU
Sample : N2444-12DL 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-12

Quant Time: Apr 21 06:06:01 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

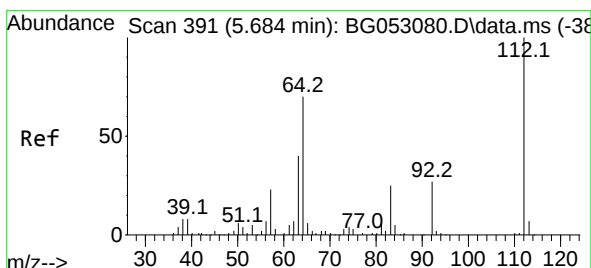
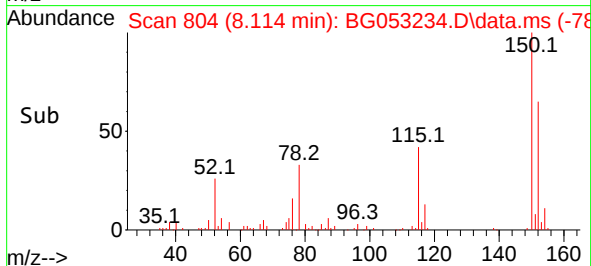
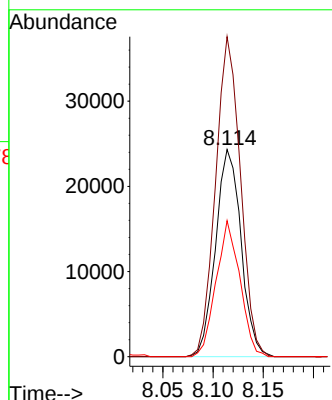
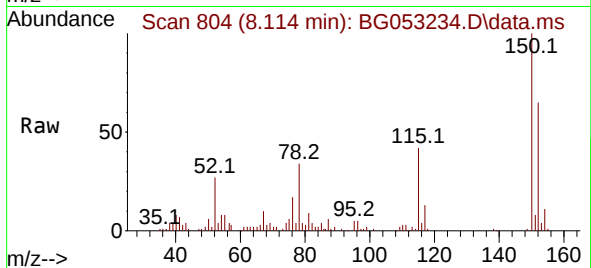




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.114 min Scan# 806
 Delta R.T. -0.008 min
 Lab File: BG053234.D
 Acq: 21 Apr 2022 2:58

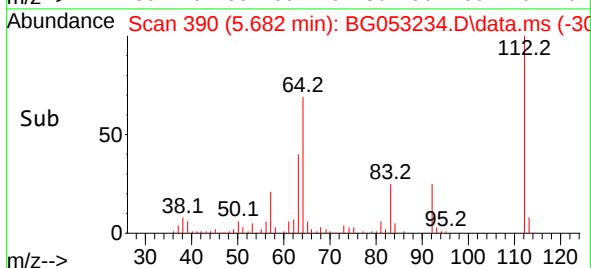
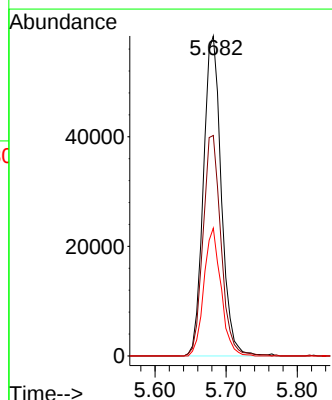
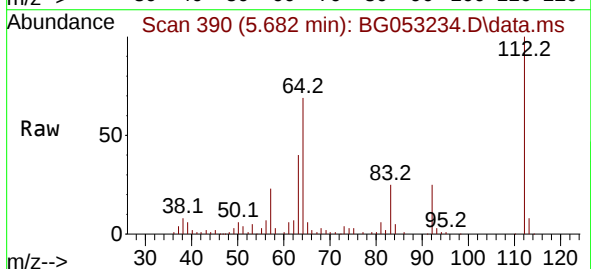
Instrument :
 BNA_G
 ClientSampleId :
 SB-12

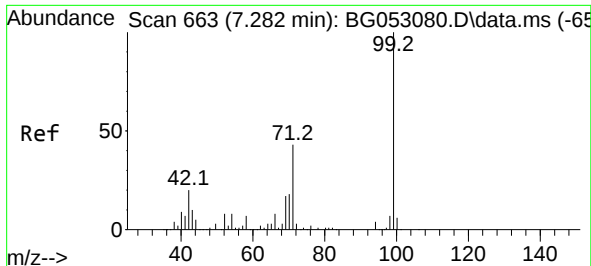
Tgt Ion:152 Resp: 42861
 Ion Ratio Lower Upper
 152 100
 150 154.5 114.6 172.0
 115 65.6 45.9 68.9



#5
 2-Fluorophenol
 Concen: 40.899 ng
 RT: 5.682 min Scan# 390
 Delta R.T. -0.002 min
 Lab File: BG053234.D
 Acq: 21 Apr 2022 2:58

Tgt Ion:112 Resp: 102263
 Ion Ratio Lower Upper
 112 100
 64 68.9 48.0 72.0
 63 40.0 26.5 39.7#





#7

Phenol-d6

Concen: 37.123 ng

RT: 7.274 min Scan# 60

Delta R.T. -0.008 min

Lab File: BG053234.D

Acq: 21 Apr 2022 2:58

Instrument :

BNA_G

ClientSampleId :

SB-12

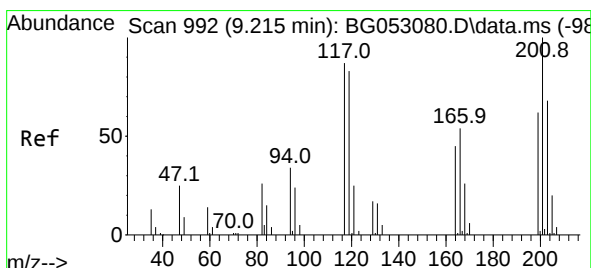
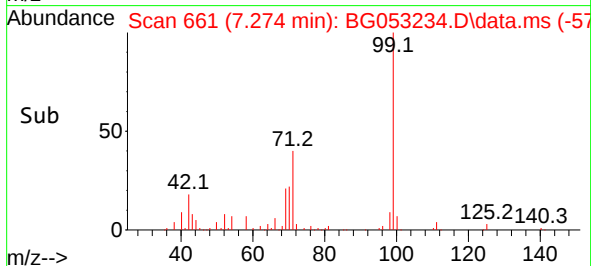
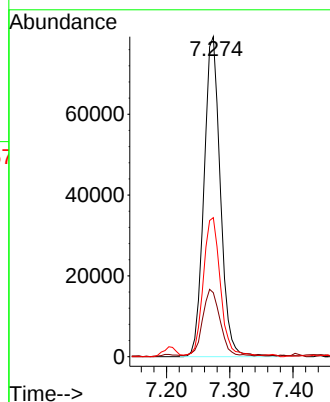
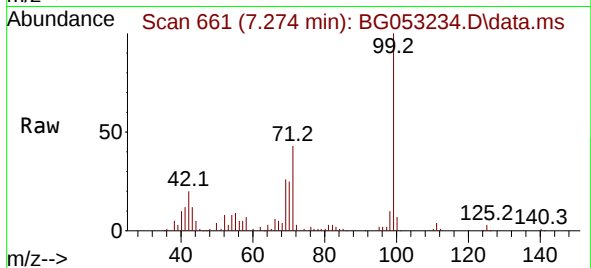
Tgt Ion: 99 Resp: 143142

Ion Ratio Lower Upper

99 100

42 20.0 14.7 22.1

71 43.5 29.2 43.8



#18

Hexachloroethane

Concen: 28.359 ng

RT: 9.230 min Scan# 994

Delta R.T. 0.016 min

Lab File: BG053234.D

Acq: 21 Apr 2022 2:58

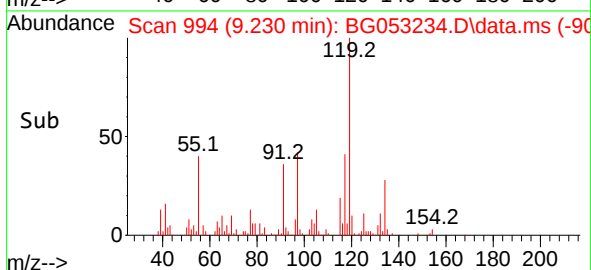
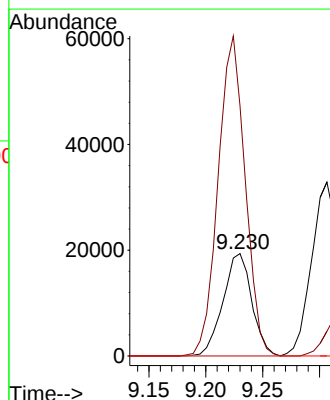
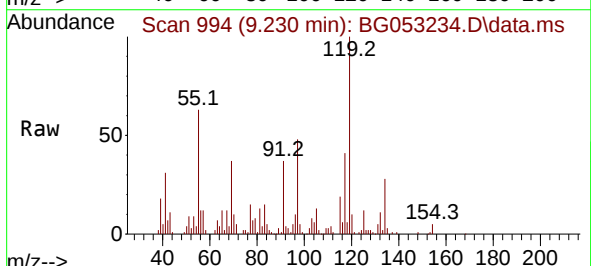
Tgt Ion: 117 Resp: 34007

Ion Ratio Lower Upper

117 100

119 243.7 75.1 112.7#

201 0.0 96.6 145.0#

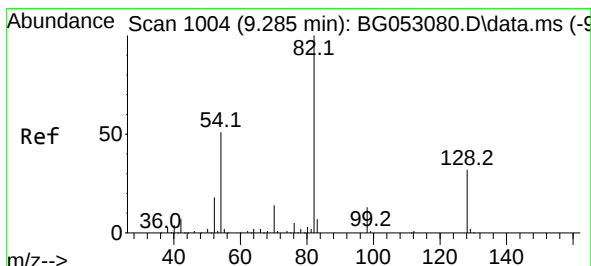
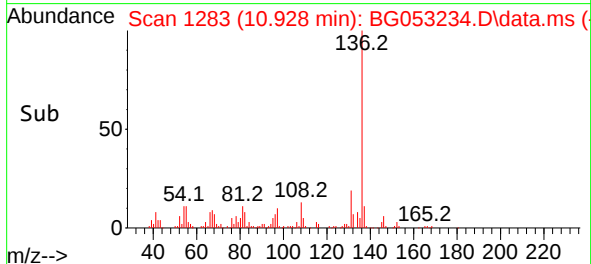
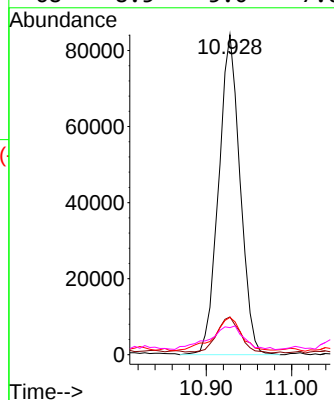
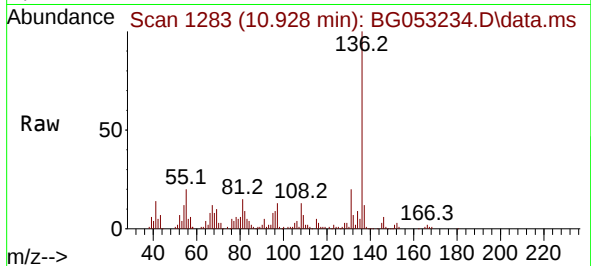




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.928 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG053234.D
Acq: 21 Apr 2022 2:58

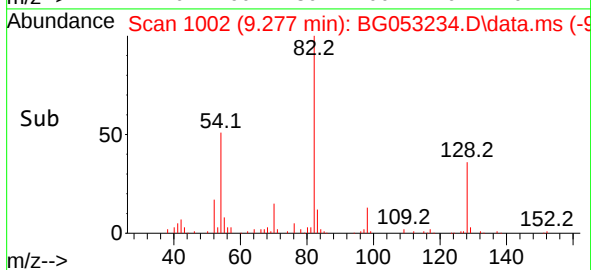
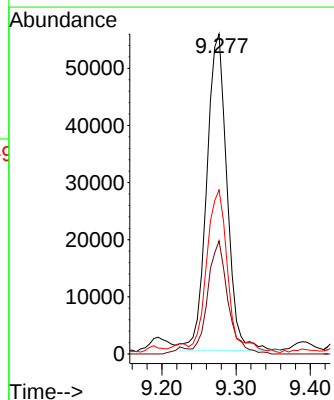
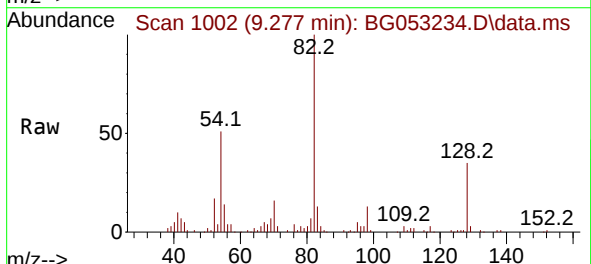
Instrument :
BNA_G
ClientSampleId :
SB-12

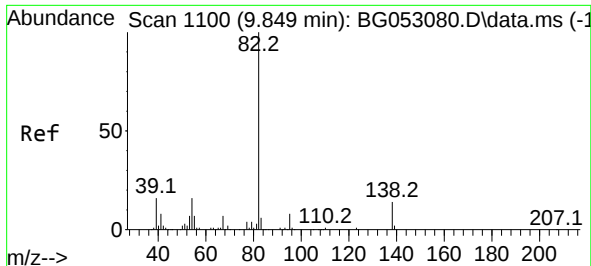
Tgt Ion:136 Resp: 146930
Ion Ratio Lower Upper
136 100
137 11.8 9.4 14.2
54 11.7 6.4 9.6#
68 8.5 5.0 7.6#



#23
Nitrobenzene-d5
Concen: 29.069 ng
RT: 9.277 min Scan# 1002
Delta R.T. -0.008 min
Lab File: BG053234.D
Acq: 21 Apr 2022 2:58

Tgt Ion: 82 Resp: 105189
Ion Ratio Lower Upper
82 100
128 35.3 31.3 46.9
54 51.2 37.8 56.8

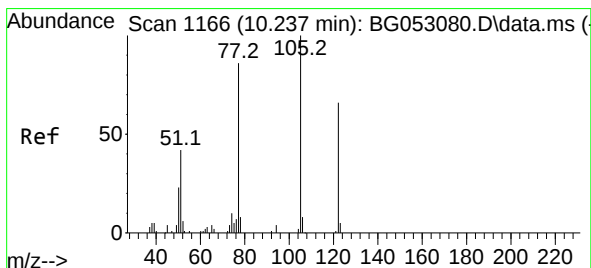
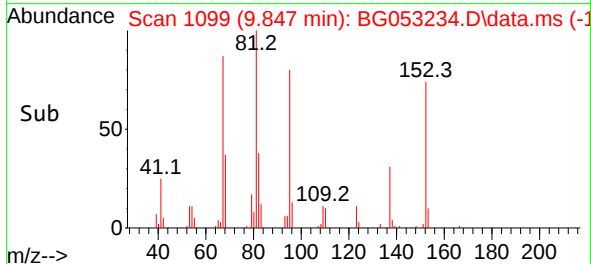
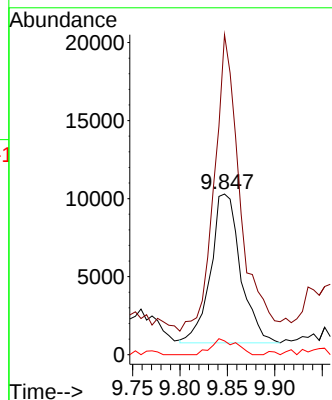
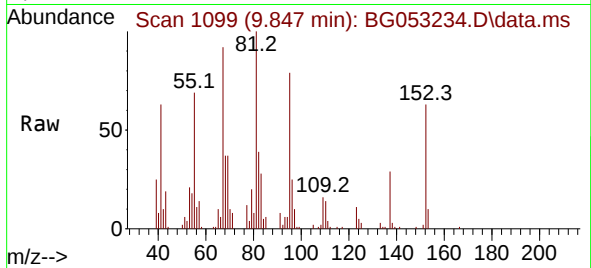




#25
Isophorone
Concen: 3.403 ng
RT: 9.847 min Scan# 1100
Delta R.T. -0.002 min
Lab File: BG053234.D
Acq: 21 Apr 2022 2:58

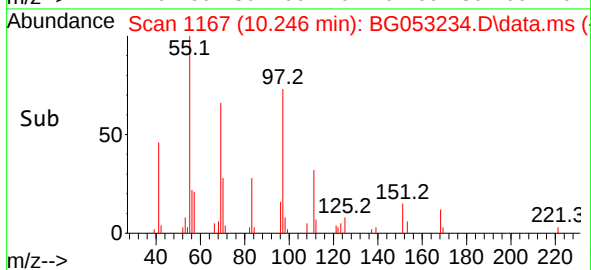
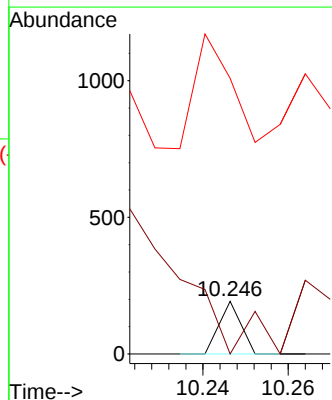
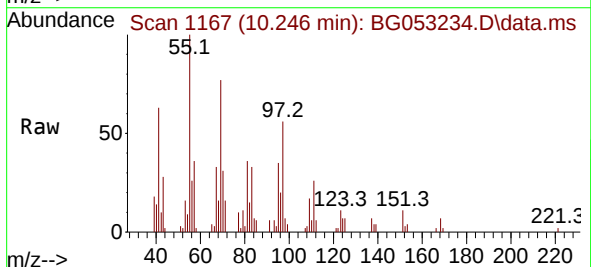
Instrument :
BNA_G
ClientSampleId :
SB-12

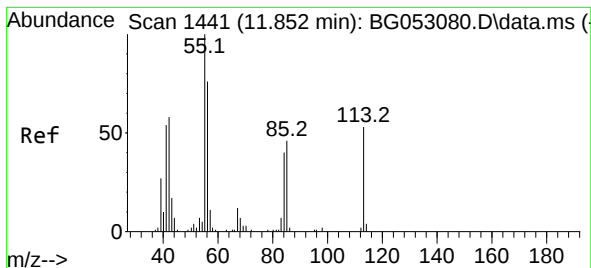
Tgt Ion: 82 Resp: 20933
Ion Ratio Lower Upper
82 100
95 199.2 5.8 8.6#
138 8.5 12.6 18.8#



#32
Benzoic acid
Concen: 3.675 ng
RT: 10.246 min Scan# 1167
Delta R.T. 0.009 min
Lab File: BG053234.D
Acq: 21 Apr 2022 2:58

Tgt Ion: 122 Resp: 68
Ion Ratio Lower Upper
122 100
105 0.0 112.8 152.8#
77 522.8 78.4 118.4#





#35

Caprolactam

Concen: 2.431 ng

RT: 11.850 min Scan# 1441

Delta R.T. -0.002 min

Lab File: BG053234.D

Acq: 21 Apr 2022 2:58

Instrument :

BNA_G

ClientSampleId :

SB-12

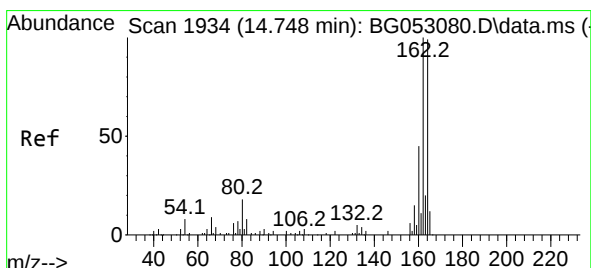
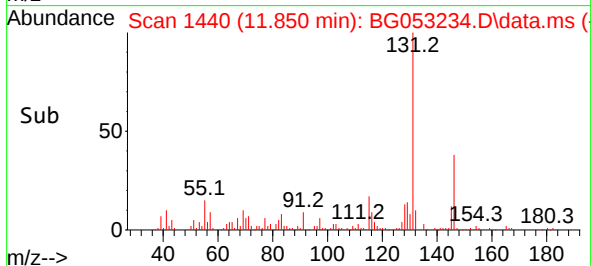
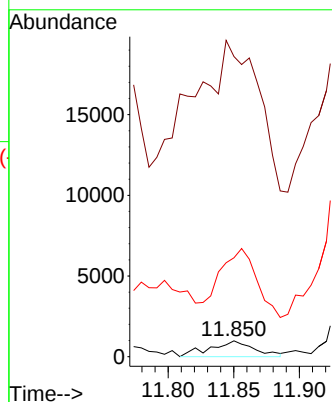
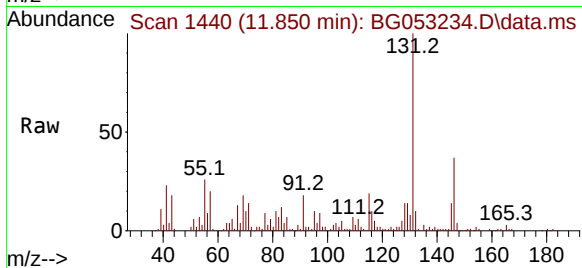
Tgt Ion:113 Resp: 2271

Ion Ratio Lower Upper

113 100

55 1888.3 151.3 191.3#

56 622.3 128.5 168.5#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.740 min Scan# 1932

Delta R.T. -0.008 min

Lab File: BG053234.D

Acq: 21 Apr 2022 2:58

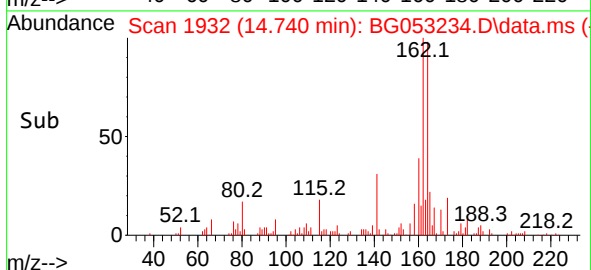
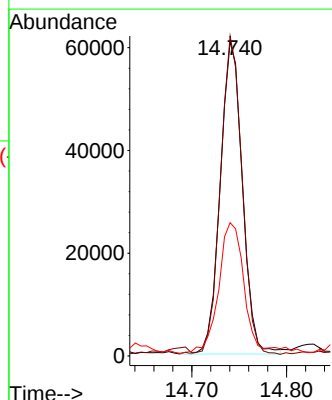
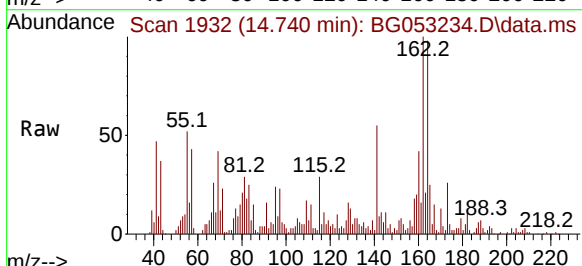
Tgt Ion:164 Resp: 98936

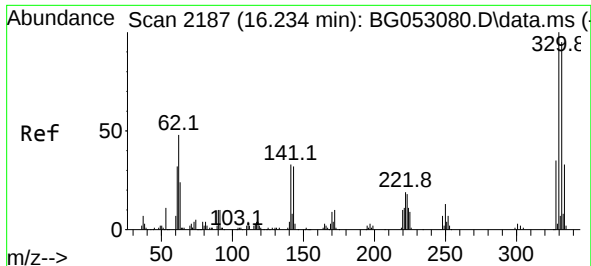
Ion Ratio Lower Upper

164 100

162 101.8 80.0 120.0

160 42.4 38.8 58.2





#42

2,4,6-Tribromophenol

Concen: 33.416 ng

RT: 16.227 min Scan# 2187

Delta R.T. -0.008 min

Lab File: BG053234.D

Acq: 21 Apr 2022 2:58

Instrument :

BNA_G

ClientSampleId :

SB-12

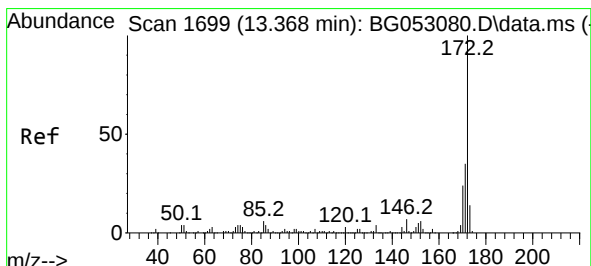
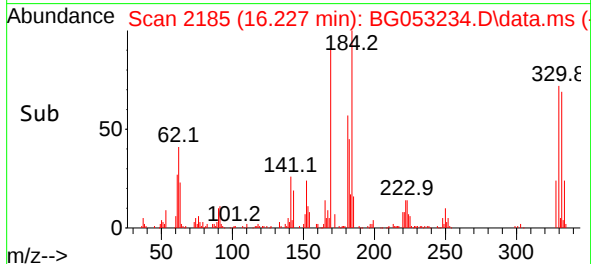
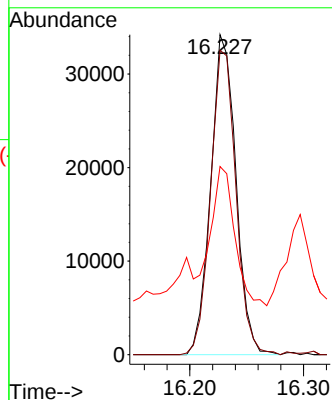
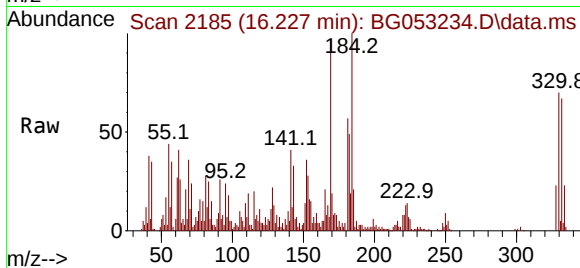
Tgt Ion:330 Resp: 52598

Ion Ratio Lower Upper

330 100

332 95.7 75.8 113.6

141 42.1 24.6 36.8#



#45

2-Fluorobiphenyl

Concen: 27.973 ng

RT: 13.360 min Scan# 1697

Delta R.T. -0.008 min

Lab File: BG053234.D

Acq: 21 Apr 2022 2:58

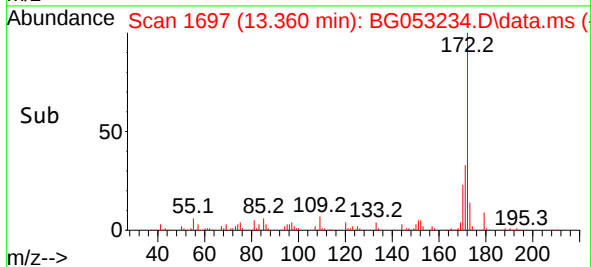
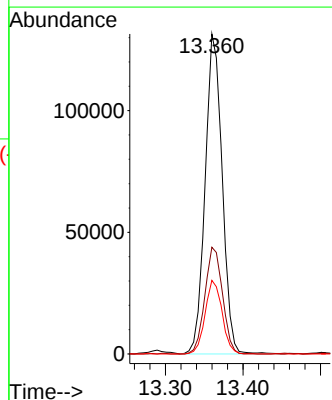
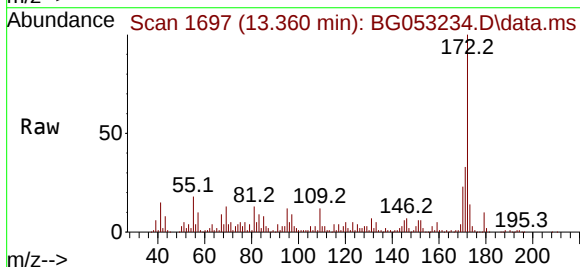
Tgt Ion:172 Resp: 200705

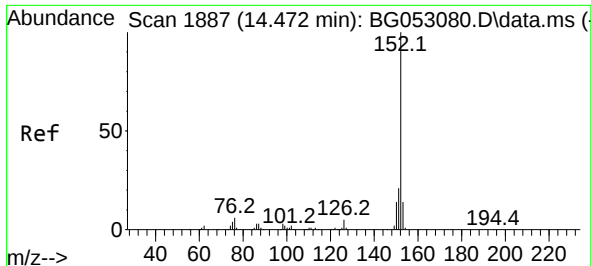
Ion Ratio Lower Upper

172 100

171 33.3 28.3 42.5

170 23.0 18.0 27.0





#49

Acenaphthylene

Concen: 2.702 ng

RT: 14.464 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG053234.D

Acq: 21 Apr 2022 2:58

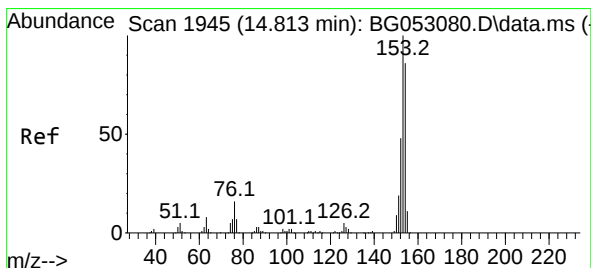
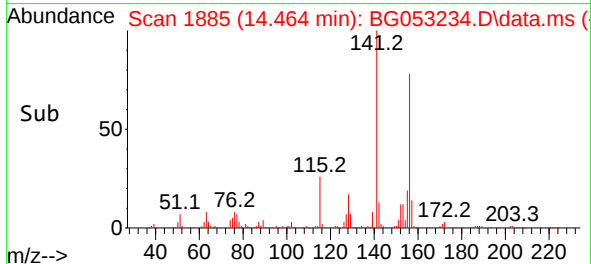
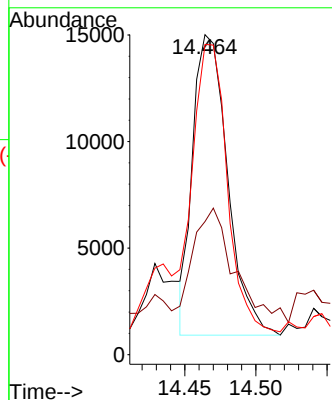
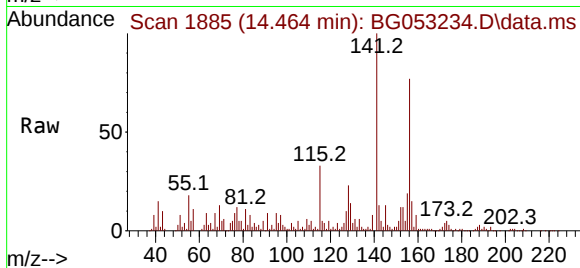
Instrument :

BNA_G

ClientSampleId :

SB-12

Tgt Ion:152	Resp:	24040
Ion Ratio	Lower	Upper
152	100	
151	41.6	15.8 23.6#
153	97.0	10.6 15.8#



#52

Acenaphthene

Concen: 7.743 ng

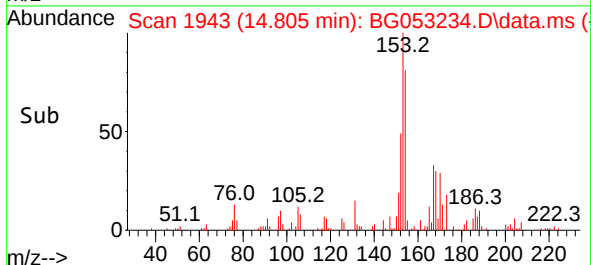
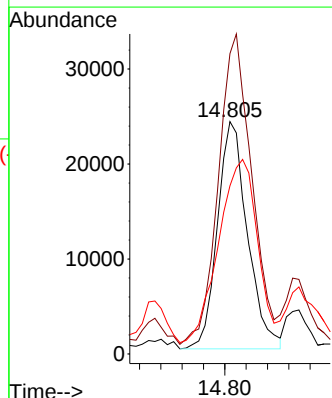
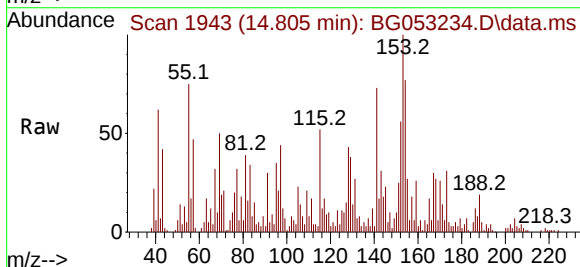
RT: 14.805 min Scan# 1943

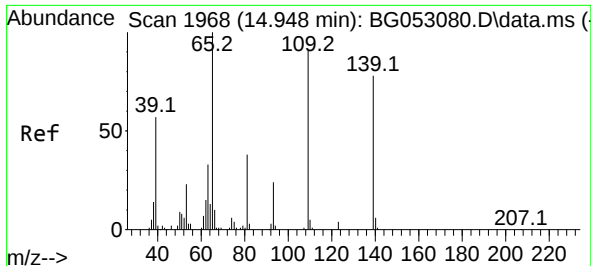
Delta R.T. -0.008 min

Lab File: BG053234.D

Acq: 21 Apr 2022 2:58

Tgt Ion:154	Resp:	46722
Ion Ratio	Lower	Upper
154	100	
153	129.3	89.0 133.4
152	72.4	40.5 60.7#





#56

4-Nitrophenol

Concen: 36.807 ng

RT: 14.946 min Scan# 1968

Delta R.T. -0.002 min

Lab File: BG053234.D

Acq: 21 Apr 2022 2:58

Instrument :

BNA_G

ClientSampleId :

SB-12

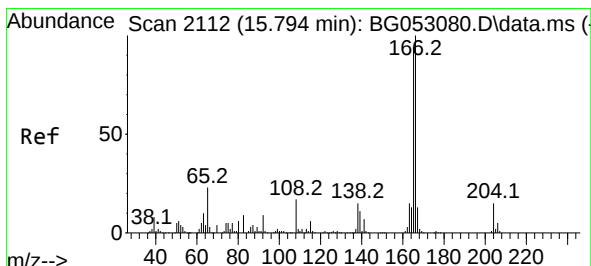
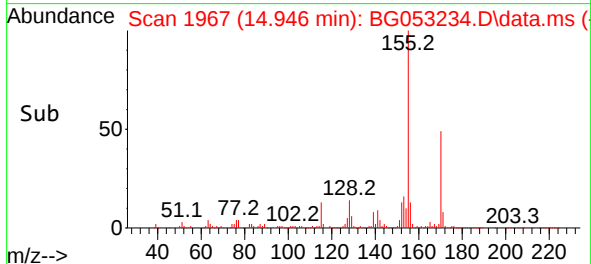
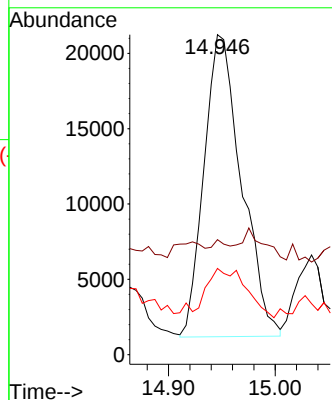
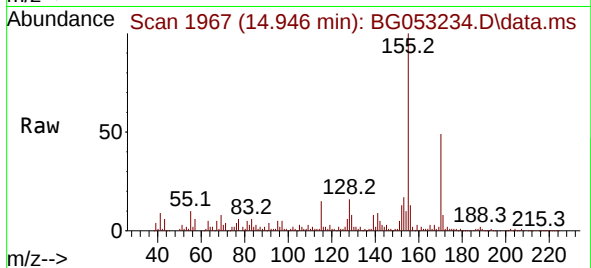
Tgt Ion:139 Resp: 49003

Ion Ratio Lower Upper

139 100

109 36.0 67.1 107.1#

65 26.9 88.2 128.2#



#58

Fluorene

Concen: 15.305 ng

RT: 15.786 min Scan# 2110

Delta R.T. -0.008 min

Lab File: BG053234.D

Acq: 21 Apr 2022 2:58

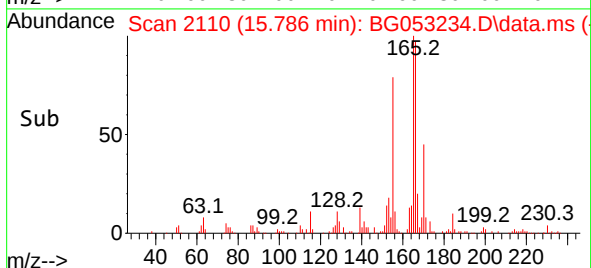
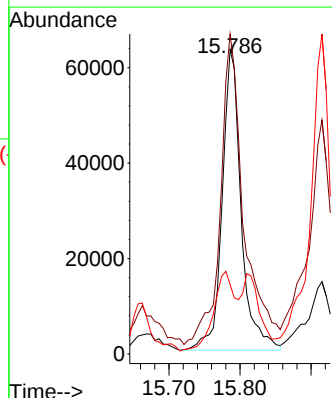
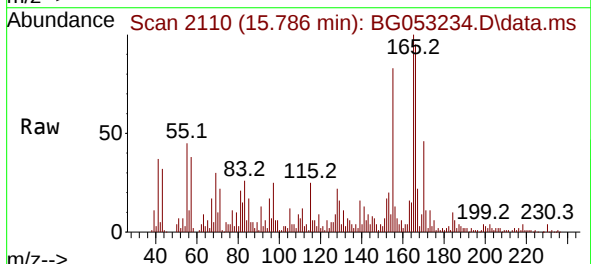
Tgt Ion:166 Resp: 116796

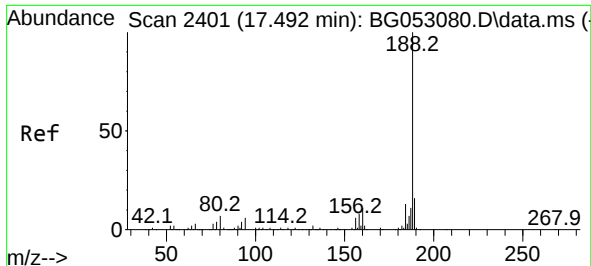
Ion Ratio Lower Upper

166 100

165 105.0 78.6 117.8

167 22.8 10.9 16.3#

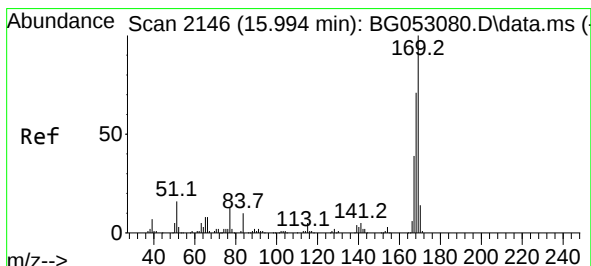
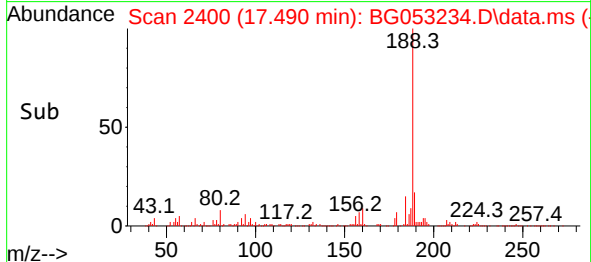
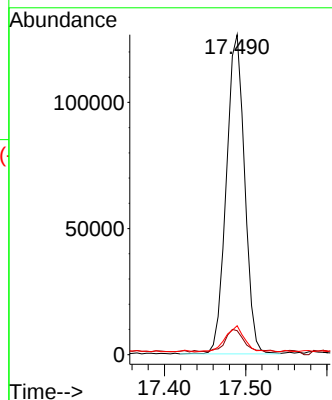
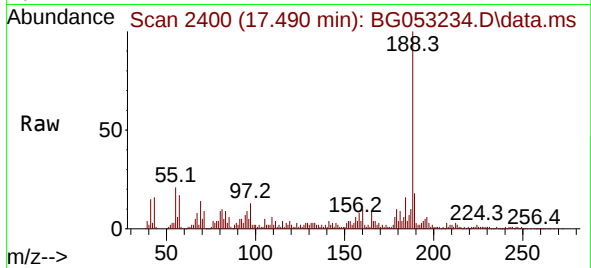




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.490 min Scan# 2401
Delta R.T. -0.002 min
Lab File: BG053234.D
Acq: 21 Apr 2022 2:58

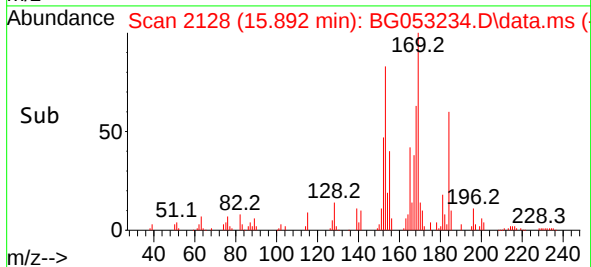
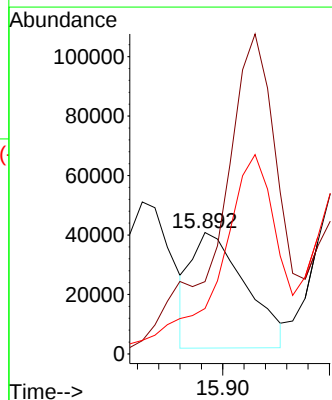
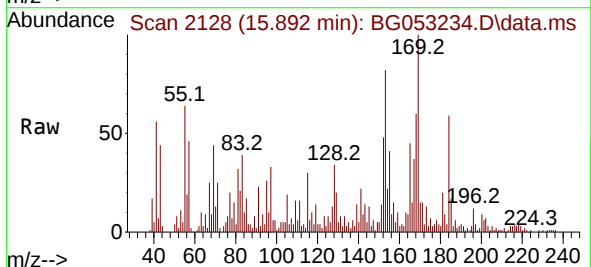
Instrument :
BNA_G
ClientSampleId :
SB-12

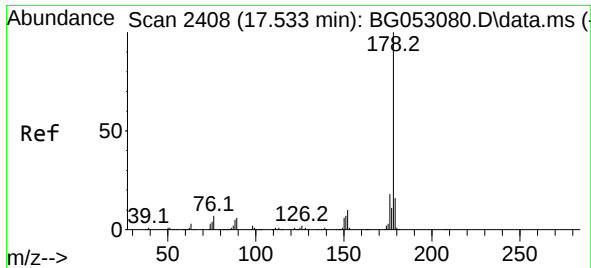
Tgt Ion:188 Resp: 197882
Ion Ratio Lower Upper
188 100
94 7.5 5.7 8.5
80 9.0 7.2 10.8



#66
n-Nitrosodiphenylamine
Concen: 12.093 ng
RT: 15.892 min Scan# 2128
Delta R.T. -0.102 min
Lab File: BG053234.D
Acq: 21 Apr 2022 2:58

Tgt Ion:169 Resp: 68814
Ion Ratio Lower Upper
169 100
168 59.6 54.5 81.7
167 37.4 29.6 44.4

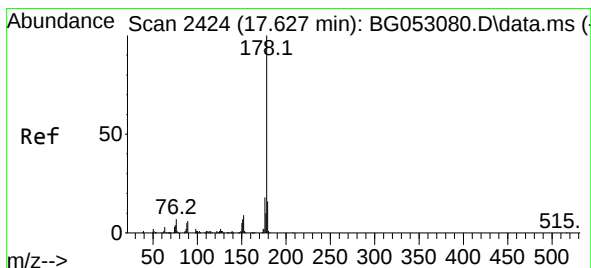
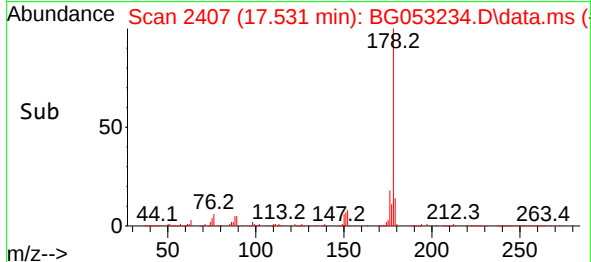
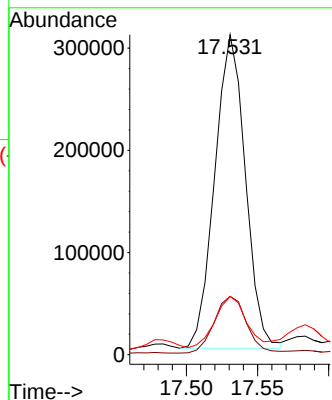
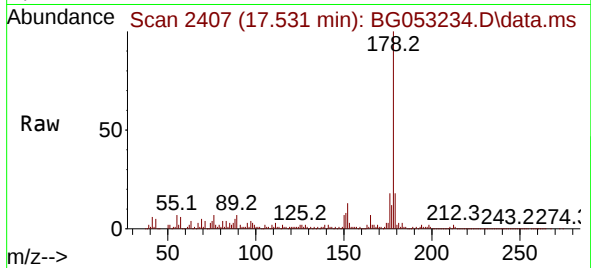




#71
Phenanthrene
Concen: 42.482 ng
RT: 17.531 min Scan# 2407
Delta R.T. -0.002 min
Lab File: BG053234.D
Acq: 21 Apr 2022 2:58

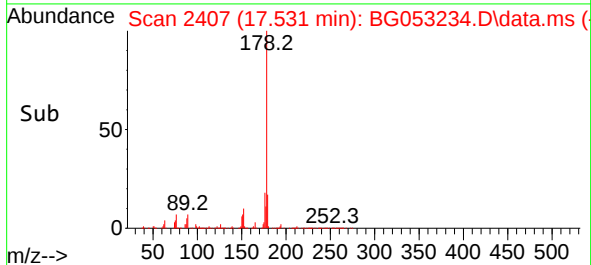
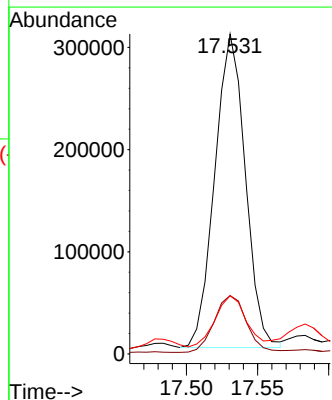
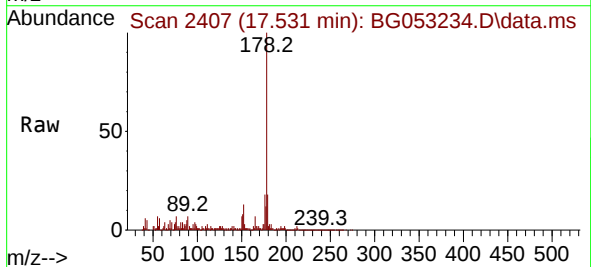
Instrument :
BNA_G
ClientSampleId :
SB-12

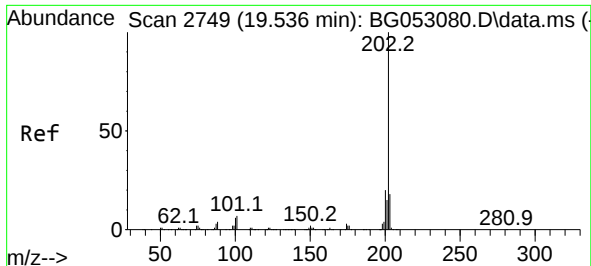
Tgt Ion:178 Resp: 459176
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 18.2 13.4 20.2



#72
Anthracene
Concen: 42.881 ng
RT: 17.531 min Scan# 2407
Delta R.T. -0.096 min
Lab File: BG053234.D
Acq: 21 Apr 2022 2:58

Tgt Ion:178 Resp: 459176
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 18.2 13.2 19.8

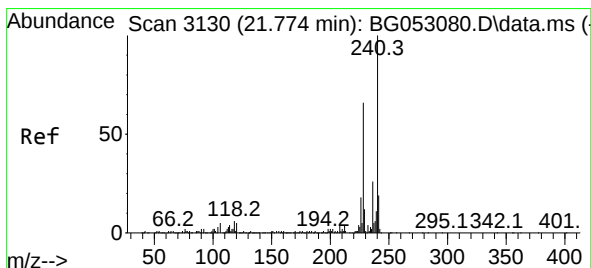
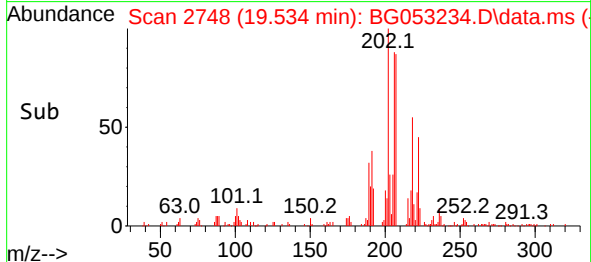
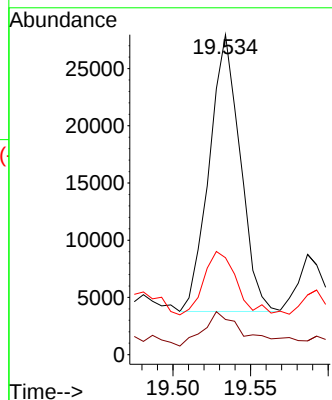
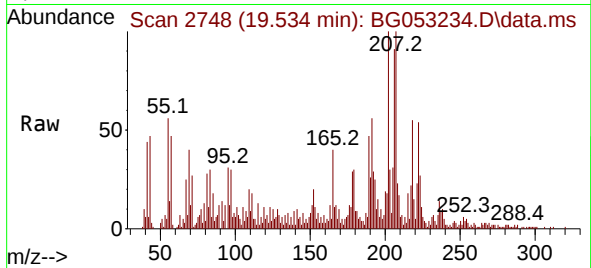




#75
Fluoranthene
Concen: 2.428 ng
RT: 19.534 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG053234.D
Acq: 21 Apr 2022 2:58

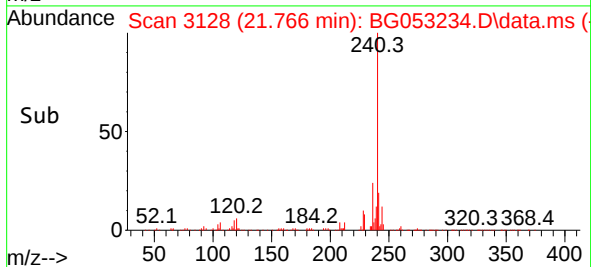
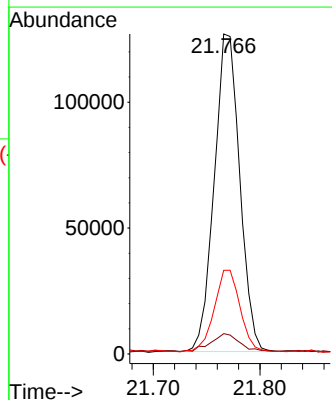
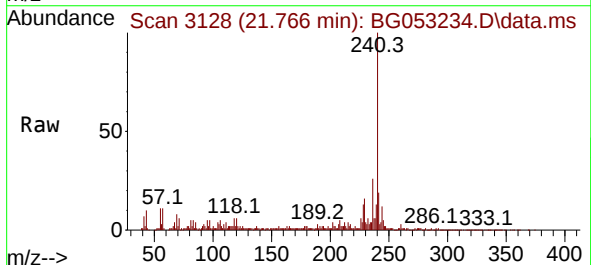
Instrument :
BNA_G
ClientSampleId :
SB-12

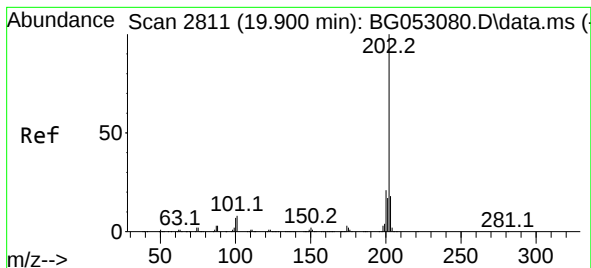
Tgt Ion:202 Resp: 33641
Ion Ratio Lower Upper
202 100
101 11.0 0.0 27.3
203 30.3 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.766 min Scan# 3128
Delta R.T. -0.008 min
Lab File: BG053234.D
Acq: 21 Apr 2022 2:58

Tgt Ion:240 Resp: 209296
Ion Ratio Lower Upper
240 100
120 6.4 5.4 8.0
236 26.2 19.8 29.6





#78

Pyrene

Concen: 12.761 ng

RT: 19.898 min Scan# 2810

Delta R.T. -0.002 min

Lab File: BG053234.D

Acq: 21 Apr 2022 2:58

Instrument :

BNA_G

ClientSampleId :

SB-12

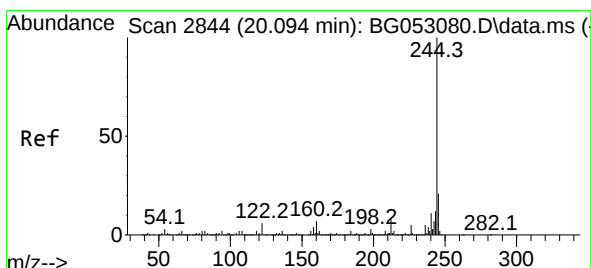
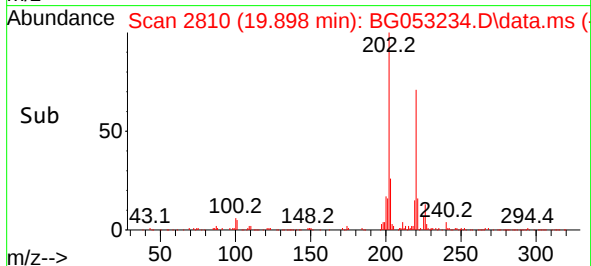
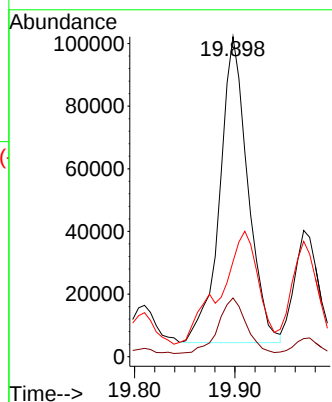
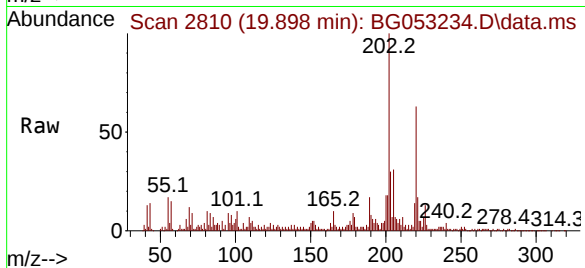
Tgt Ion:202 Resp: 190211

Ion Ratio Lower Upper

202 100

200 18.4 17.0 25.6

203 29.7 15.0 22.6#



#79

Terphenyl-d14

Concen: 25.744 ng

RT: 20.086 min Scan# 2842

Delta R.T. -0.008 min

Lab File: BG053234.D

Acq: 21 Apr 2022 2:58

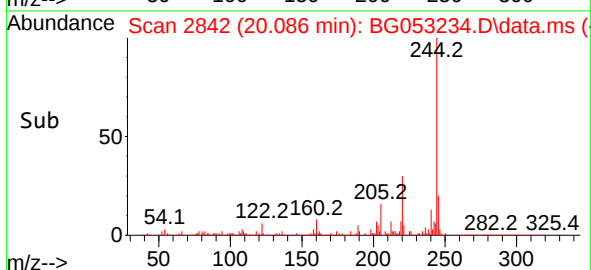
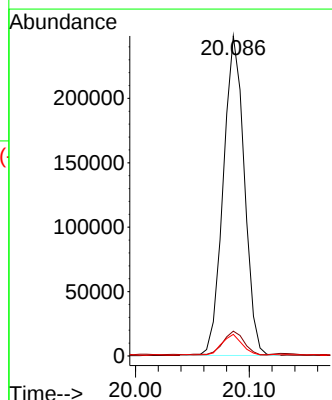
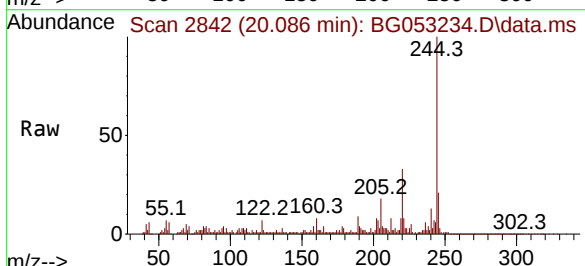
Tgt Ion:244 Resp: 319033

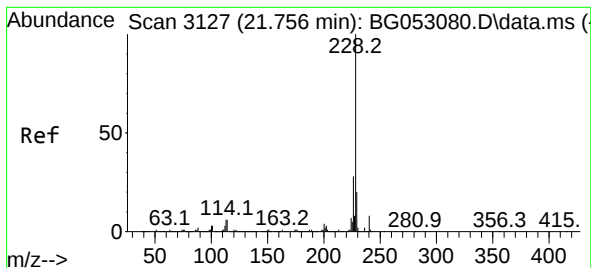
Ion Ratio Lower Upper

244 100

212 7.8 5.4 8.2

122 6.7 5.8 8.6





#81

Benzo(a)anthracene

Concen: 3.740 ng

RT: 21.754 min Scan# 3127

Delta R.T. -0.002 min

Lab File: BG053234.D

Acq: 21 Apr 2022 2:58

Instrument :

BNA_G

ClientSampleId :

SB-12

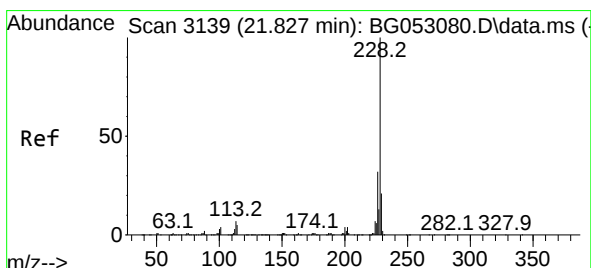
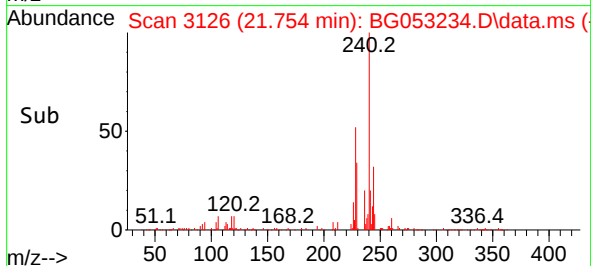
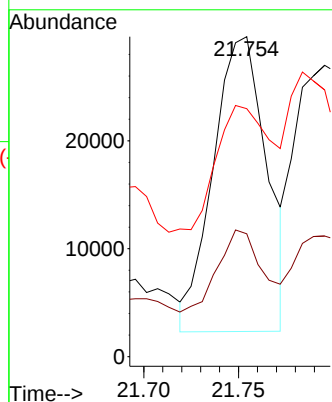
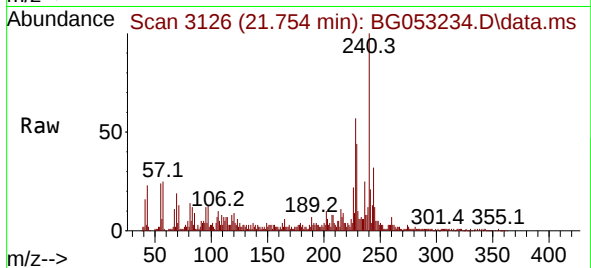
Tgt Ion:228 Resp: 53516

Ion Ratio Lower Upper

228 100

226 38.4 21.4 32.0#

229 77.5 16.7 25.1#



#83

Chrysene

Concen: 7.577 ng

RT: 21.813 min Scan# 3136

Delta R.T. -0.014 min

Lab File: BG053234.D

Acq: 21 Apr 2022 2:58

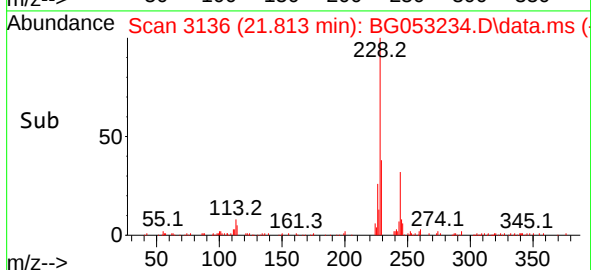
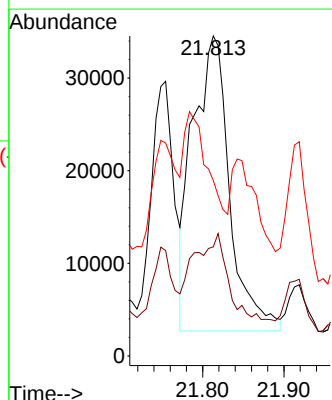
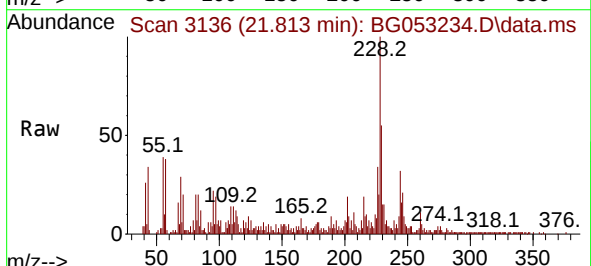
Tgt Ion:228 Resp: 100630

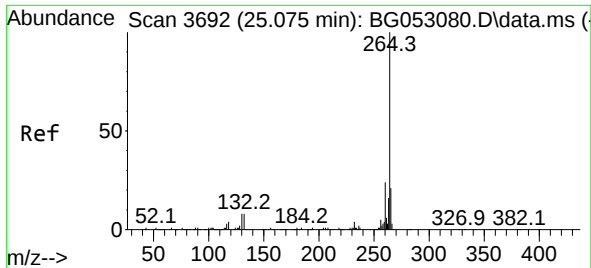
Ion Ratio Lower Upper

228 100

226 34.1 24.2 36.4

229 54.8 16.3 24.5#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.073 min Scan# 30
 Delta R.T. -0.002 min
 Lab File: BG053234.D
 Acq: 21 Apr 2022 2:58

Instrument :
 BNA_G
 ClientSampleId :
 SB-12

Tgt Ion:264 Resp: 225434
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.2 27.2
 265 22.1 15.1 22.7

