

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
 Data File : BG056629.D
 Acq On : 13 Feb 2023 21:31
 Operator : CG/JU
 Sample : 01526-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 14 02:09:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 10 22:46:08 2023
 Response via : Initial Calibration

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

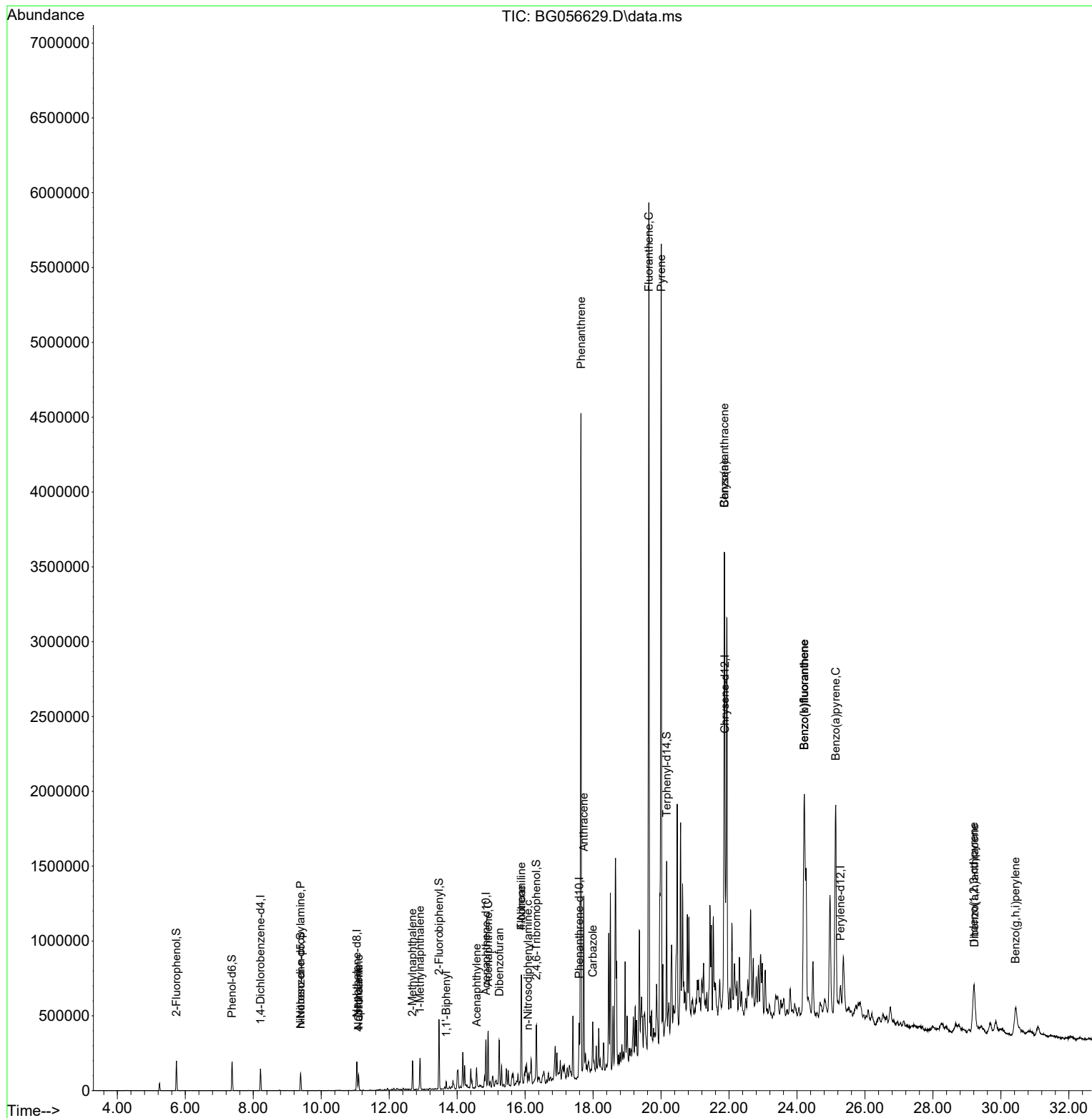
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.212	152	49330	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	180246	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	121601	20.000	ng	0.00
64) Phenanthrene-d10	17.589	188	266888	20.000	ng	0.00
76) Chrysene-d12	21.878	240	263247	20.000	ng	0.02
86) Perylene-d12	25.280	264	273613	20.000	ng	# 0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.738	112	117948	43.984	ng	0.01
7) Phenol-d6	7.372	99	157131	39.547	ng	0.00
23) Nitrobenzene-d5	9.393	82	82070	25.855	ng	0.00
42) 2,4,6-Tribromophenol	16.332	330	61110	37.801	ng	0.00
45) 2-Fluorobiphenyl	13.465	172	268600	30.624	ng	0.00
79) Terphenyl-d14	20.163	244	416771	27.807	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.372	77	77	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.393	70	10643	4.648	ng	# 73
31) Naphthalene	11.097	128	96581	10.152	ng	99
33) 4-Chloroaniline	11.103	127	13164	2.964	ng	# 43
37) 2-Methylnaphthalene	12.683	142	102154	13.025	ng	98
38) 1-Methylnaphthalene	12.906	142	106792	14.579	ng	95
46) 1,1'-Biphenyl	13.676	154	27449	3.112	ng	100
49) Acenaphthylene	14.575	152	70694	6.303	ng	98
52) Acenaphthene	14.910	154	136549	20.529	ng	96
55) Dibenzofuran	15.239	168	175872	14.744	ng	98
58) Fluorene	15.885	166	359473	37.872	ng	99
62) 4-Nitroaniline	15.885	138	4253	2.044	ng	# 20
66) n-Nitrosodiphenylamine	16.085	169	16091	2.129	ng	# 83
71) Phenanthrene	17.642	178	3101519	222.037	ng	94
72) Anthracene	17.724	178	826322	57.628	ng	98
73) Carbazole	17.989	167	219285	17.956	ng	99
75) Fluoranthene	19.640	202	4011332	227.531	ng	91
78) Pyrene	20.004	202	3855086	205.905	ng	# 88
81) Benzo(a)anthracene	21.861	228	2301055	125.031	ng	94
83) Chrysene	21.861	228	2302238	133.153	ng	96
87) Indeno(1,2,3-cd)pyrene	29.199	276	667320	33.318	ng	# 94
88) Benzo(b)fluoranthene	24.217	252	2317127	136.439	ng	98
89) Benzo(k)fluoranthene	24.217	252	2317127	135.137	ng	96
90) Benzo(a)pyrene	25.139	252	2007438	119.996	ng	99
91) Dibenzo(a,h)anthracene	29.223	278	182732	10.869	ng	# 84
92) Benzo(g,h,i)perylene	30.427	276	583096	35.945	ng	96

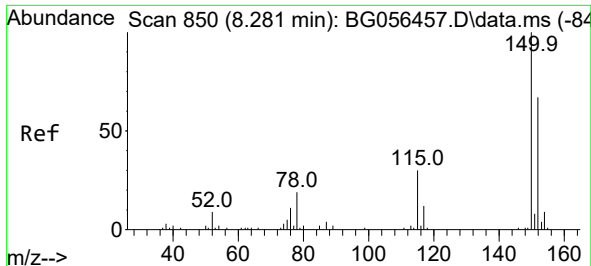
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
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Instrument :
BNA_G
ClientSampleId :

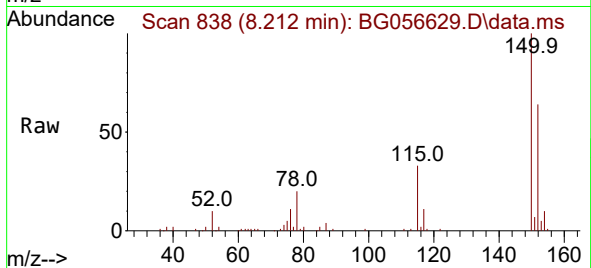
Quant Time: Feb 14 02:09:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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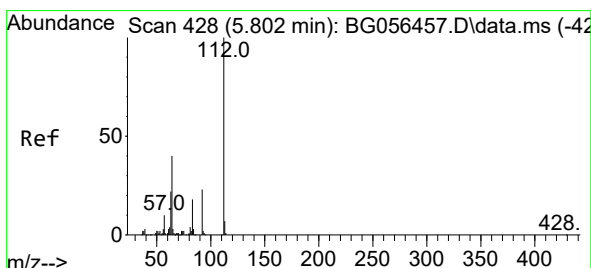
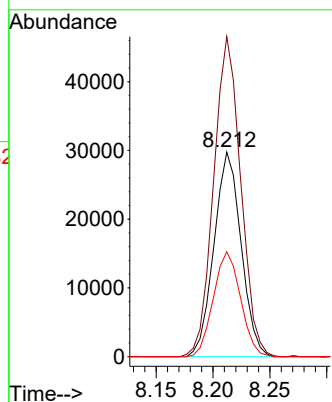
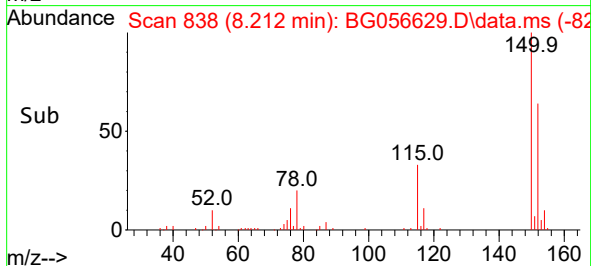


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.212 min Scan# 81
Delta R.T. 0.005 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

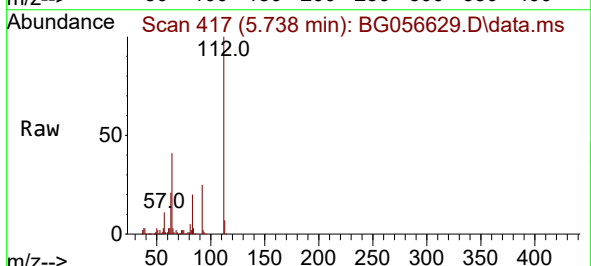
Instrument :
BNA_G
ClientSampleId :



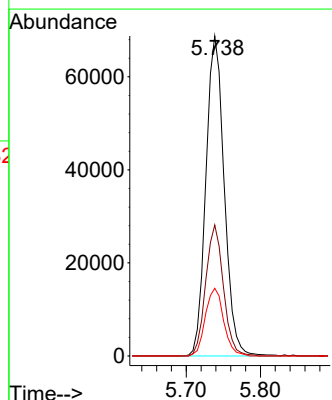
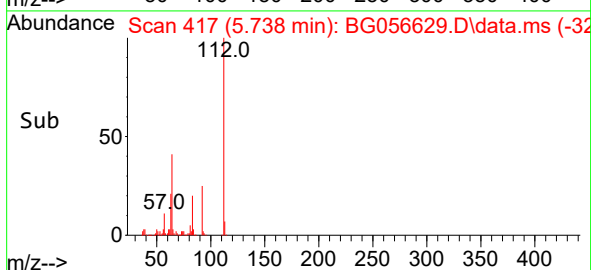
Tgt Ion:152 Resp: 49330
Ion Ratio Lower Upper
152 100
150 156.4 120.2 180.4
115 51.3 36.3 54.5

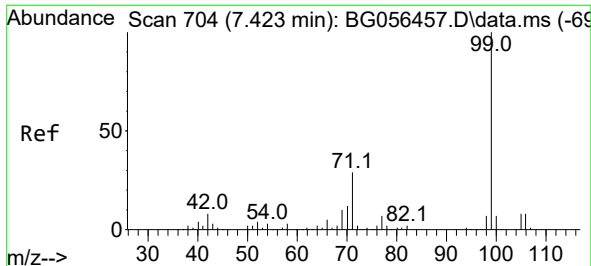


#5
2-Fluorophenol
Concen: 43.984 ng
RT: 5.738 min Scan# 417
Delta R.T. 0.011 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31



Tgt Ion:112 Resp: 117948
Ion Ratio Lower Upper
112 100
64 41.0 31.9 47.9
63 21.1 17.4 26.0

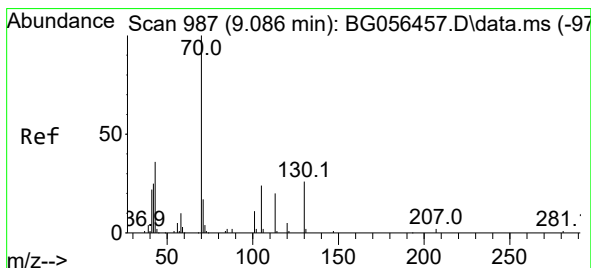
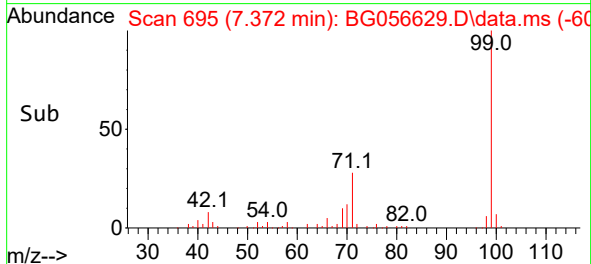
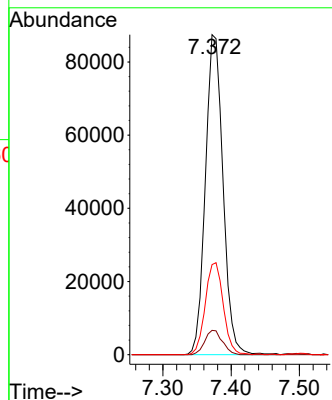
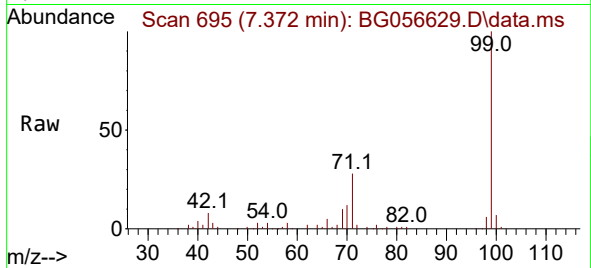




#7
Phenol-d6
Concen: 39.547 ng
RT: 7.372 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

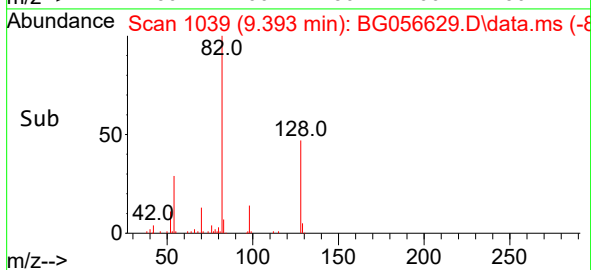
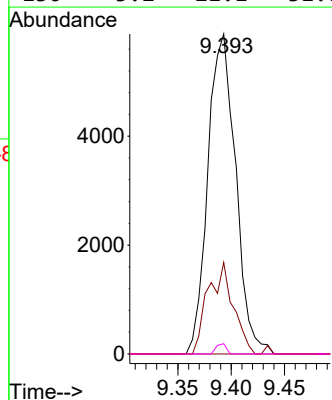
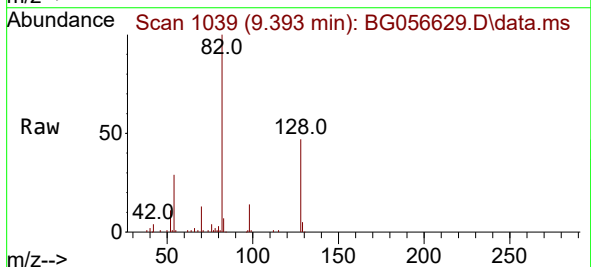
Instrument :
BNA_G
ClientSampleId :

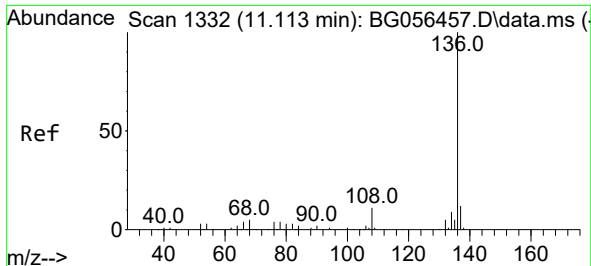
Tgt Ion: 99 Resp: 157131
Ion Ratio Lower Upper
99 100
42 7.6 6.6 10.0
71 28.2 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 4.648 ng
RT: 9.393 min Scan# 1039
Delta R.T. 0.375 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

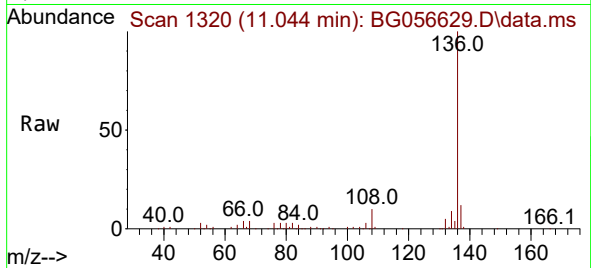
Tgt Ion: 70 Resp: 10643
Ion Ratio Lower Upper
70 100
42 28.6 20.2 30.4
101 0.0 9.1 13.7#
130 3.2 21.1 31.7#



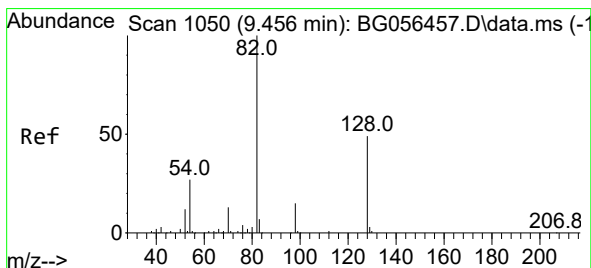
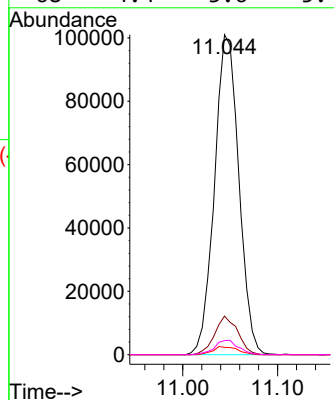


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

Instrument :
BNA_G
ClientSampleId :

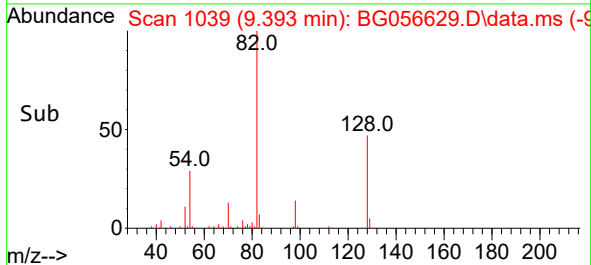
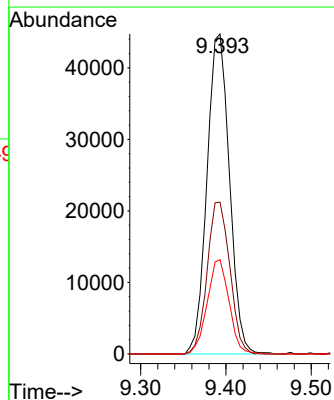
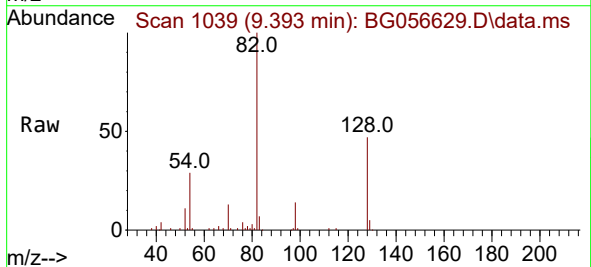


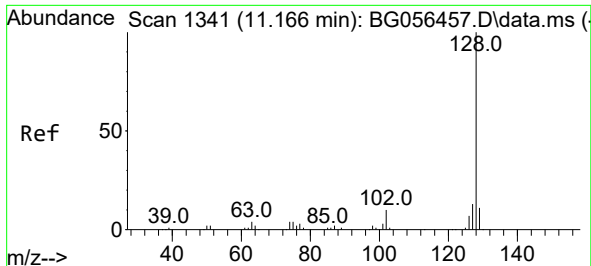
Tgt Ion:136 Resp: 180246
Ion Ratio Lower Upper
136 100
137 12.1 9.4 14.0
54 2.3 2.2 3.4
68 4.4 3.6 5.4



#23
Nitrobenzene-d5
Concen: 25.855 ng
RT: 9.393 min Scan# 1039
Delta R.T. 0.005 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

Tgt Ion: 82 Resp: 82070
Ion Ratio Lower Upper
82 100
128 47.5 39.4 59.2
54 29.5 21.4 32.2

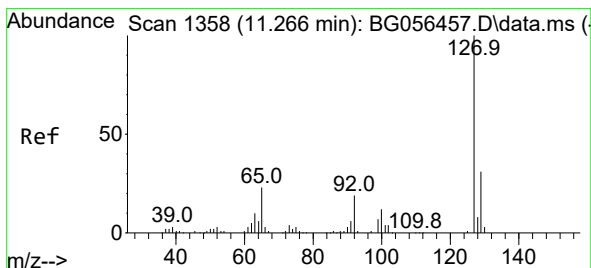
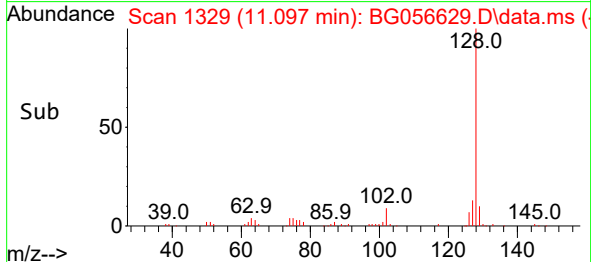
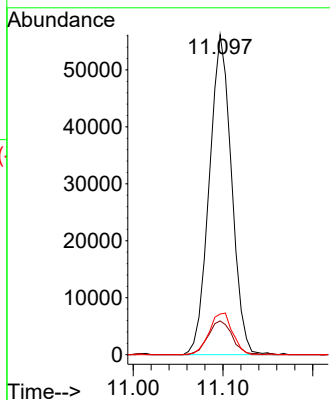
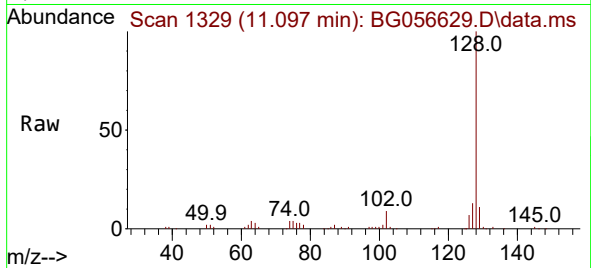




#31
Naphthalene
Concen: 10.152 ng
RT: 11.097 min Scan# 1329
Delta R.T. -0.001 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

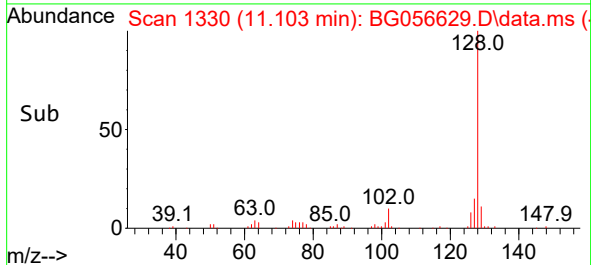
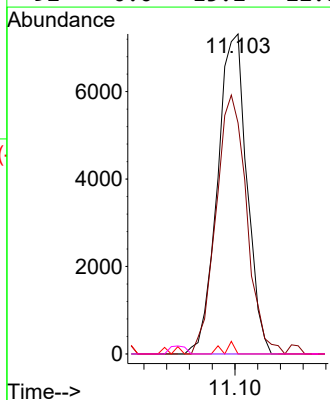
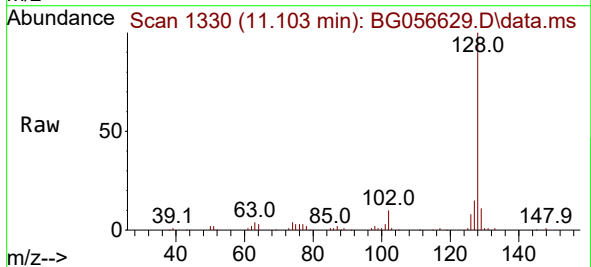
Instrument :
BNA_G
ClientSampleId :

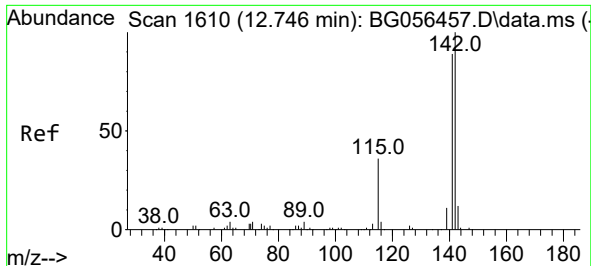
Tgt Ion:128 Resp: 96581
Ion Ratio Lower Upper
128 100
129 10.5 8.7 13.1
127 12.7 10.4 15.6



#33
4-Chloroaniline
Concen: 2.964 ng
RT: 11.103 min Scan# 1330
Delta R.T. -0.101 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

Tgt Ion:127 Resp: 13164
Ion Ratio Lower Upper
127 100
129 72.2 25.0 37.6#
65 0.0 18.5 27.7#
92 0.0 15.2 22.8#





#37

2-Methylnaphthalene

Concen: 13.025 ng

RT: 12.683 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG056629.D

Acq: 13 Feb 2023 21:31

Instrument :

BNA_G

ClientSampleId :

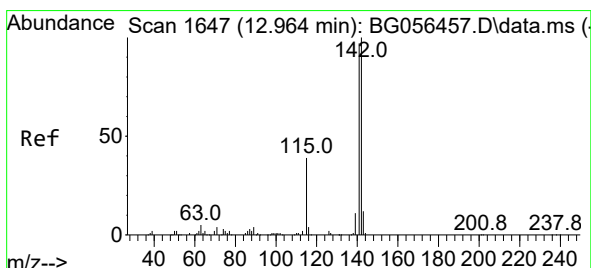
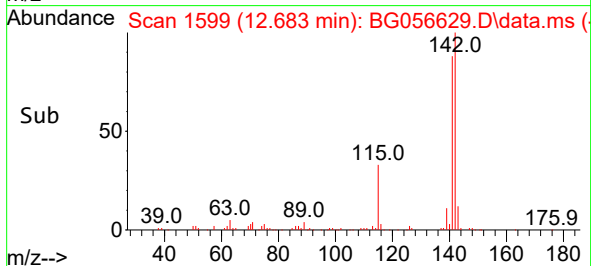
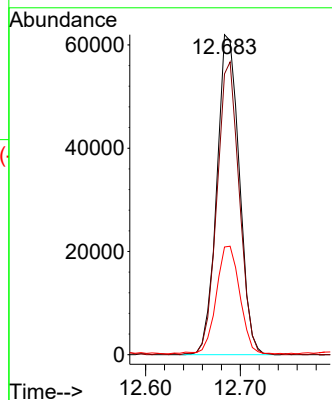
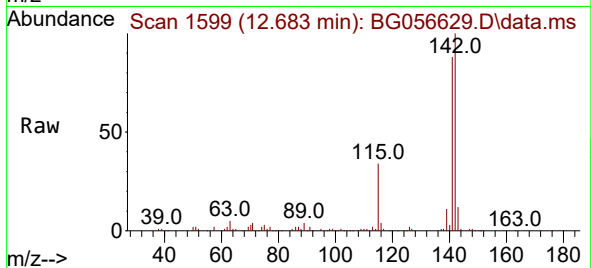
Tgt Ion:142 Resp: 102154

Ion Ratio Lower Upper

142 100

141 87.8 71.4 107.0

115 33.6 28.4 42.6



#38

1-Methylnaphthalene

Concen: 14.579 ng

RT: 12.906 min Scan# 1637

Delta R.T. 0.005 min

Lab File: BG056629.D

Acq: 13 Feb 2023 21:31

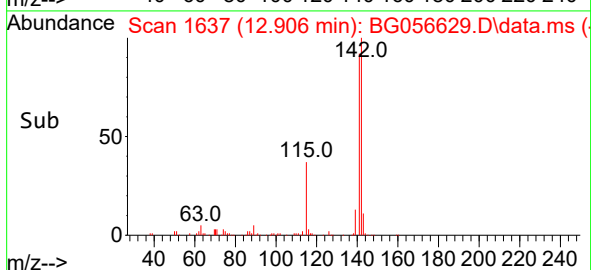
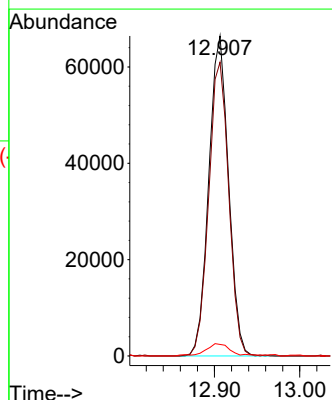
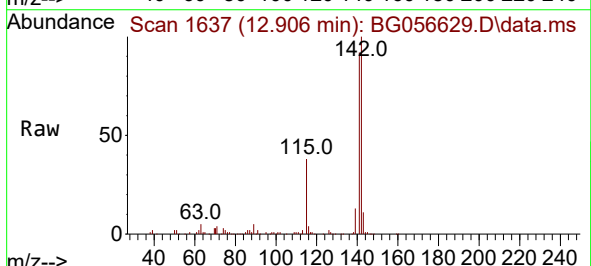
Tgt Ion:142 Resp: 106792

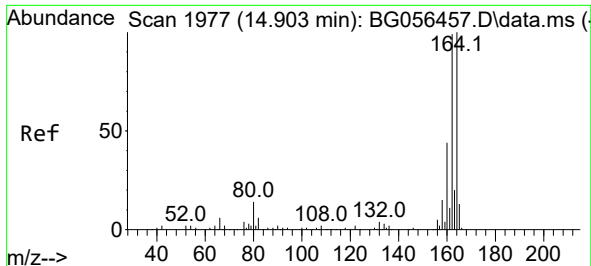
Ion Ratio Lower Upper

142 100

141 91.8 77.7 116.5

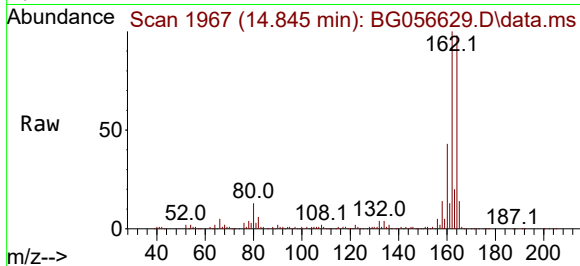
116 3.6 3.4 5.2



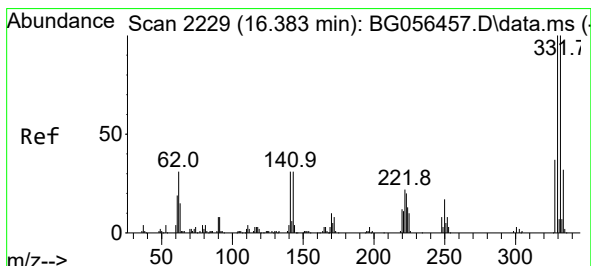
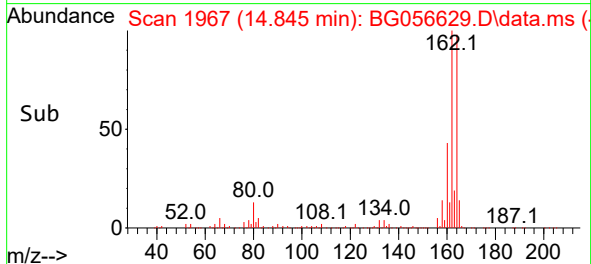
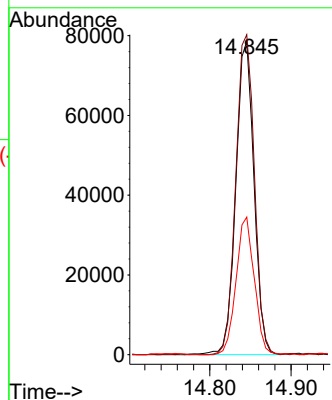


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 1977
Delta R.T. 0.005 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

Instrument :
BNA_G
ClientSampleId :

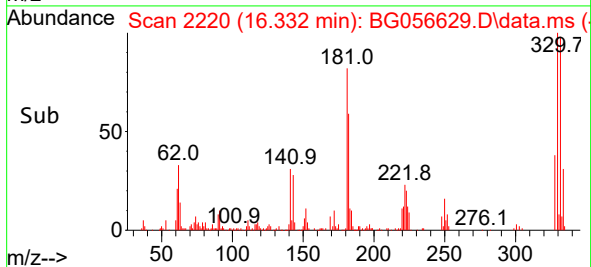
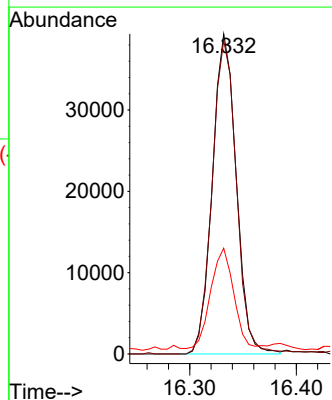
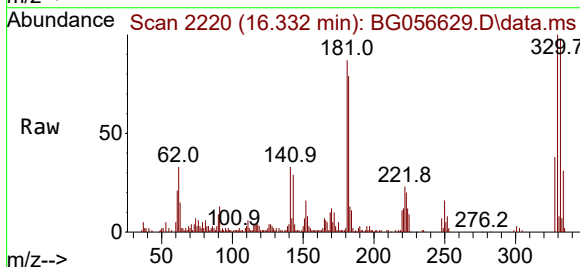


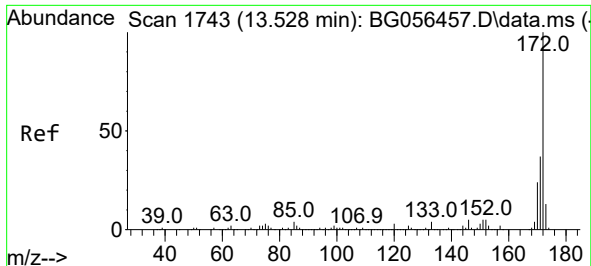
Tgt Ion:164 Resp: 121601
Ion Ratio Lower Upper
164 100
162 102.1 79.6 119.4
160 43.9 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 37.801 ng
RT: 16.332 min Scan# 2220
Delta R.T. 0.005 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

Tgt Ion:330 Resp: 61110
Ion Ratio Lower Upper
330 100
332 100.6 79.0 118.6
141 30.2 24.2 36.4

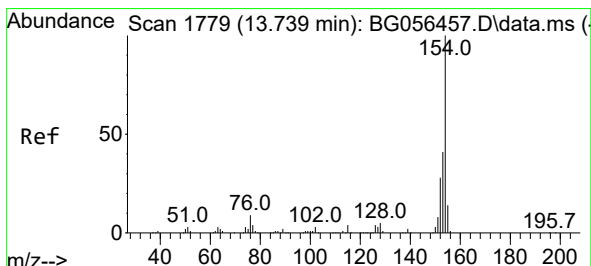
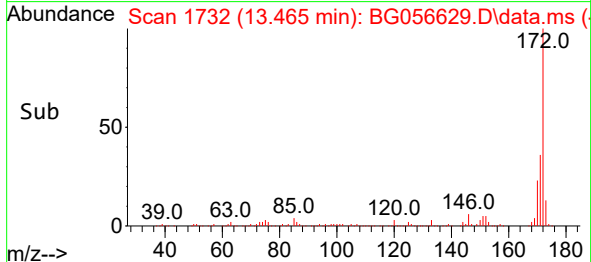
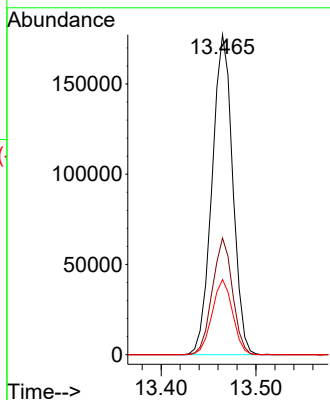
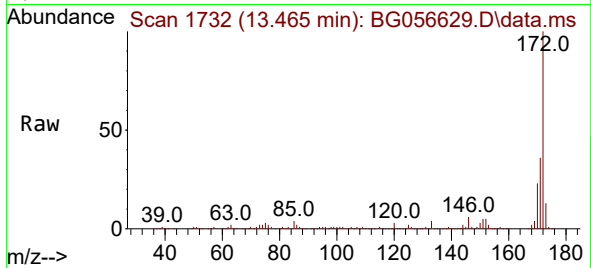




#45
2-Fluorobiphenyl
Concen: 30.624 ng
RT: 13.465 min Scan# 1743
Delta R.T. -0.001 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

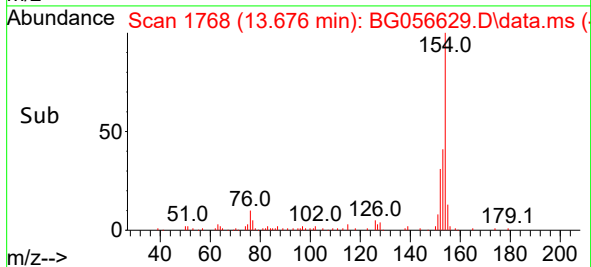
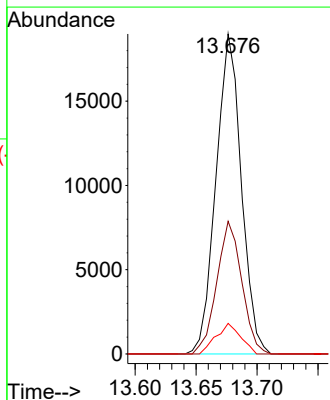
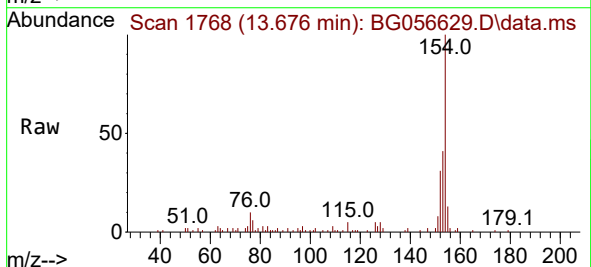
Instrument :
BNA_G
ClientSampleId :

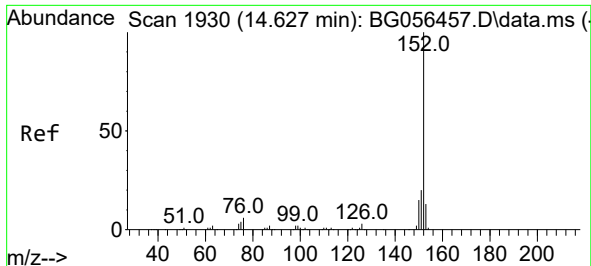
Tgt Ion:172 Resp: 268600
Ion Ratio Lower Upper
172 100
171 36.5 29.5 44.3
170 23.5 19.2 28.8



#46
1,1'-Biphenyl
Concen: 3.112 ng
RT: 13.676 min Scan# 1768
Delta R.T. -0.001 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

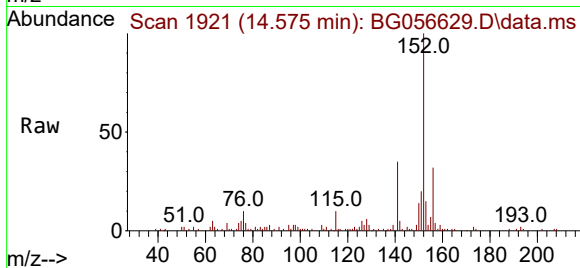
Tgt Ion:154 Resp: 27449
Ion Ratio Lower Upper
154 100
153 41.5 21.5 61.5
76 9.5 0.0 28.8



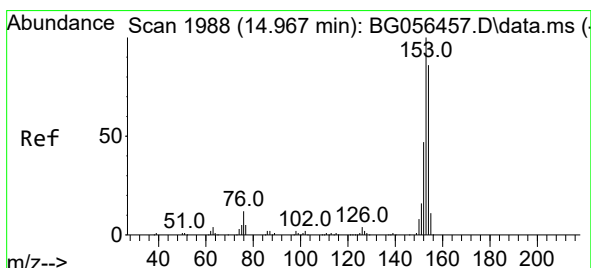
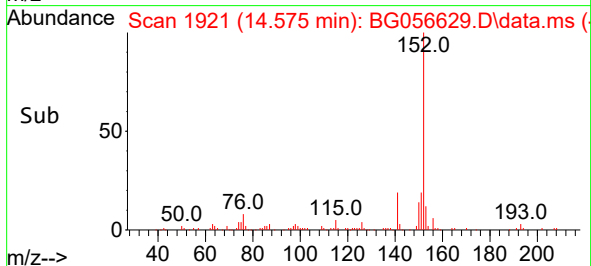
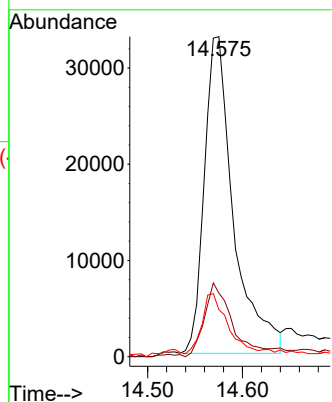


#49
Acenaphthylene
Concen: 6.303 ng
RT: 14.575 min Scan# 1930
Delta R.T. 0.005 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

Instrument :
BNA_G
ClientSampleId :

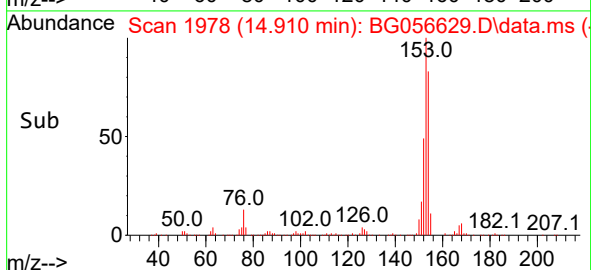
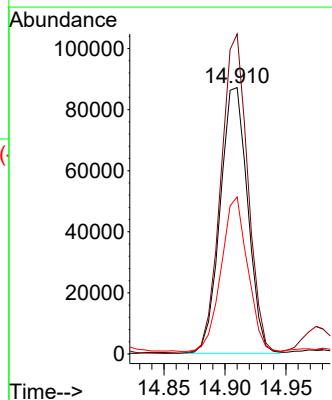
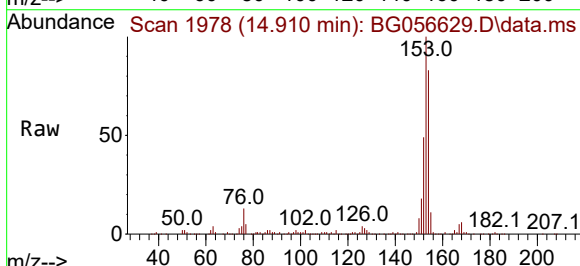


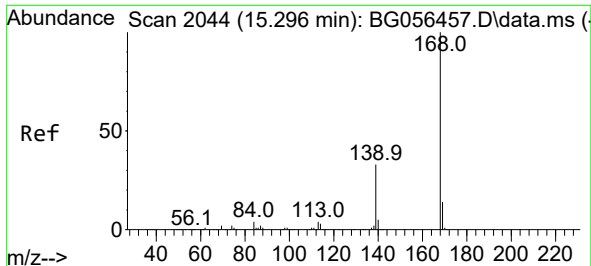
Tgt Ion:152 Resp: 70694
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 14.6 10.5 15.7



#52
Acenaphthene
Concen: 20.529 ng
RT: 14.910 min Scan# 1978
Delta R.T. 0.005 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

Tgt Ion:154 Resp: 136549
Ion Ratio Lower Upper
154 100
153 120.1 93.4 140.0
152 58.9 43.4 65.2

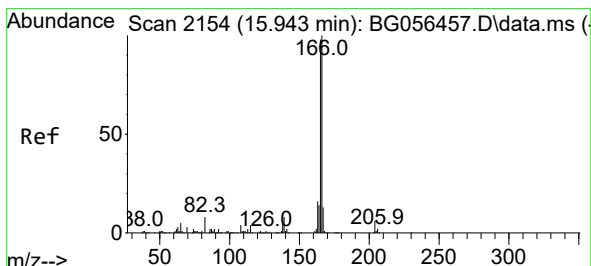
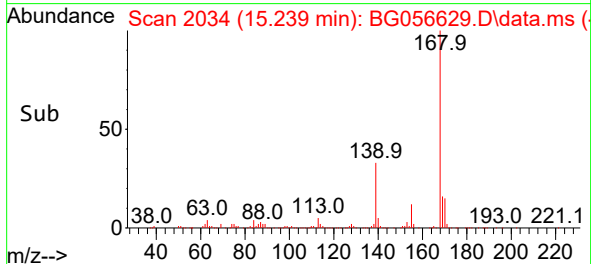
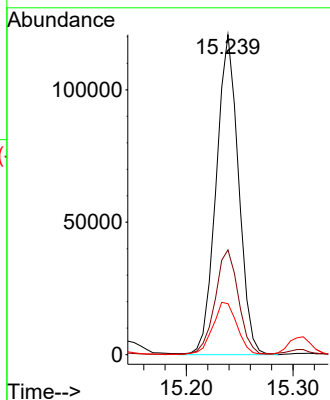
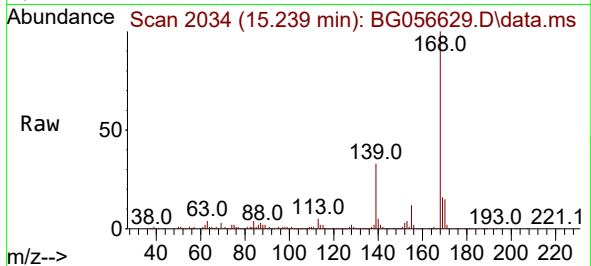




#55
Dibenzofuran
Concen: 14.744 ng
RT: 15.239 min Scan# 2044
Delta R.T. -0.001 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

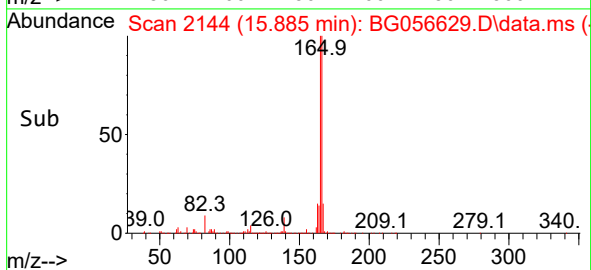
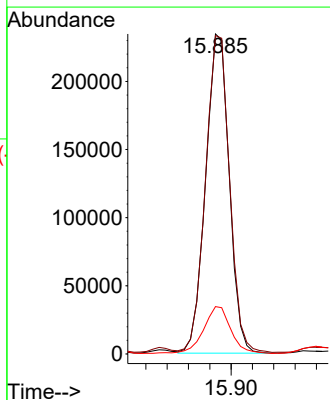
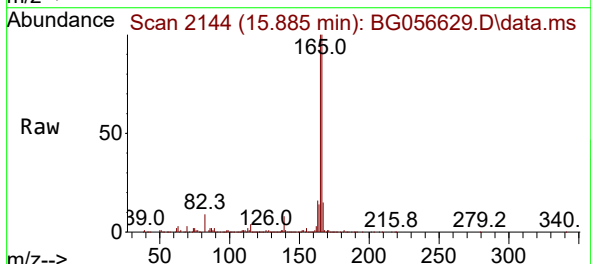
Instrument :
BNA_G
ClientSampleId :

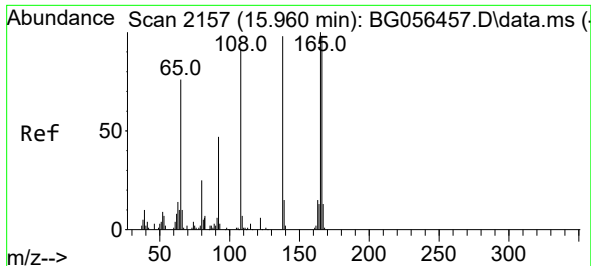
Tgt Ion:168 Resp: 175872
Ion Ratio Lower Upper
168 100
139 32.8 26.2 39.2
169 15.9 11.0 16.6



#58
Fluorene
Concen: 37.872 ng
RT: 15.885 min Scan# 2144
Delta R.T. -0.001 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

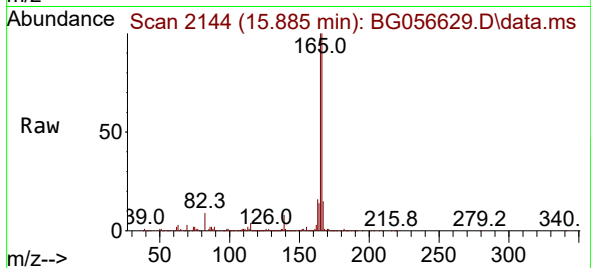
Tgt Ion:166 Resp: 359473
Ion Ratio Lower Upper
166 100
165 99.5 78.8 118.2
167 14.8 10.6 15.8



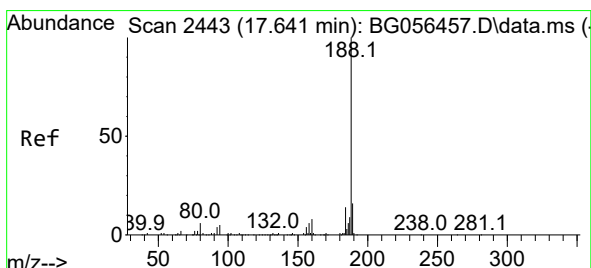
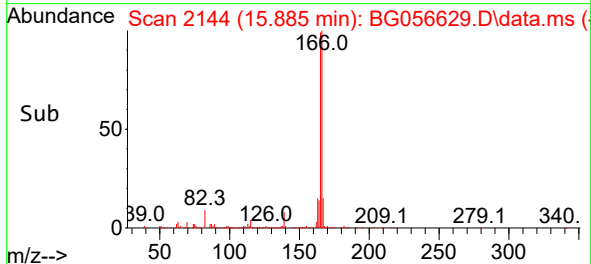
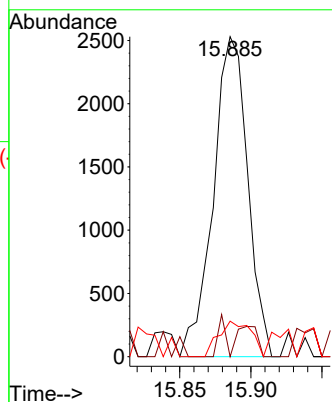


#62
4-Nitroaniline
Concen: 2.044 ng
RT: 15.885 min Scan# 2157
Delta R.T. -0.025 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

Instrument :
BNA_G
ClientSampleId :

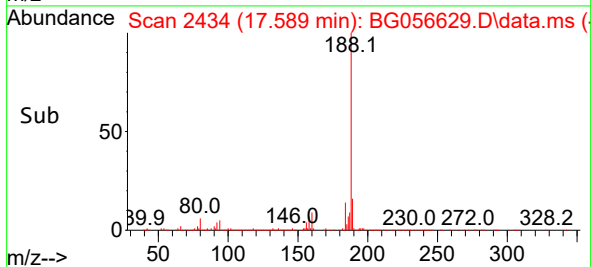
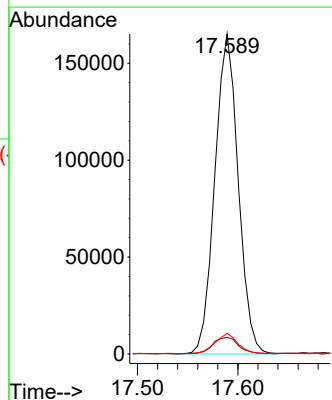
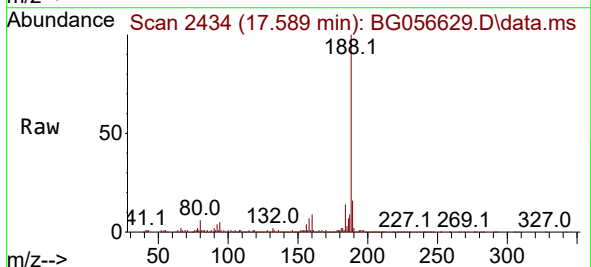


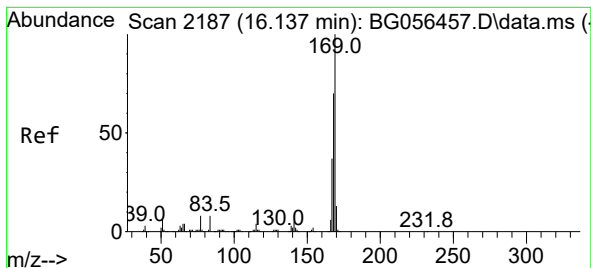
Tgt Ion:138 Resp: 4253
Ion Ratio Lower Upper
138 100
92 0.0 27.8 67.8#
108 11.1 72.6 112.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.589 min Scan# 2434
Delta R.T. 0.005 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

Tgt Ion:188 Resp: 266888
Ion Ratio Lower Upper
188 100
94 5.2 4.1 6.1
80 6.5 5.0 7.4





#66

n-Nitrosodiphenylamine

Concen: 2.129 ng

RT: 16.085 min Scan# 21

Delta R.T. 0.005 min

Lab File: BG056629.D

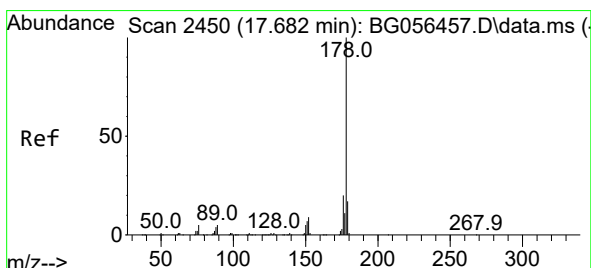
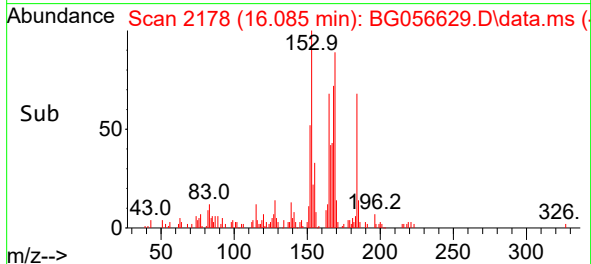
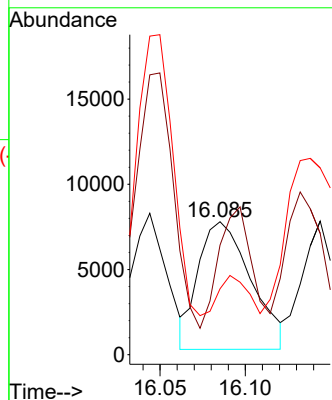
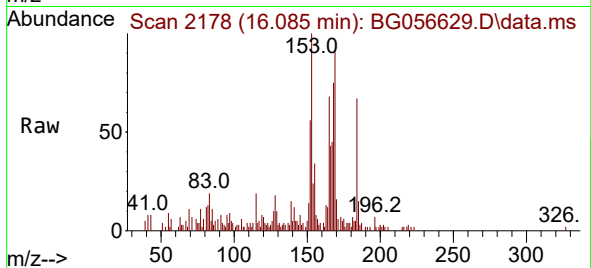
Acq: 13 Feb 2023 21:31

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:169	Resp:	16091
Ion Ratio	Lower	Upper
169	100	
168	82.4	55.8 83.6
167	49.5	29.8 44.8



#71

Phenanthrene

Concen: 222.037 ng

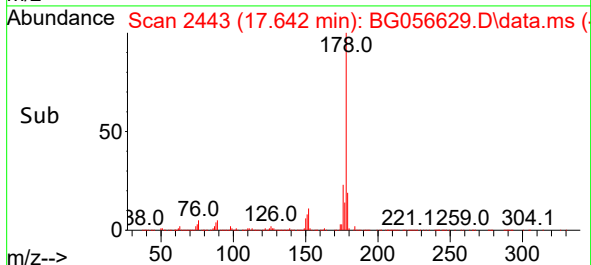
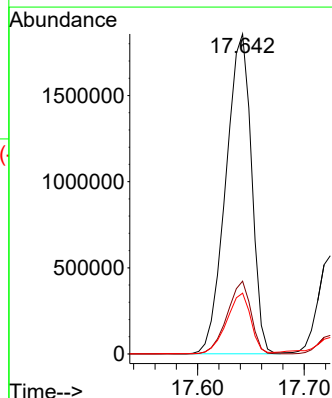
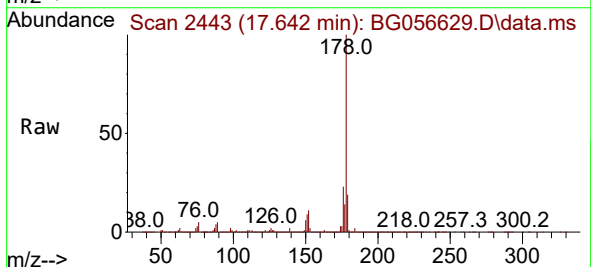
RT: 17.642 min Scan# 2443

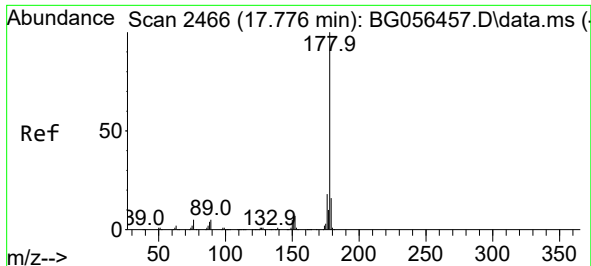
Delta R.T. 0.016 min

Lab File: BG056629.D

Acq: 13 Feb 2023 21:31

Tgt Ion:178	Resp:	3101519
Ion Ratio	Lower	Upper
178	100	
176	22.7	15.6 23.4
179	19.0	13.3 19.9

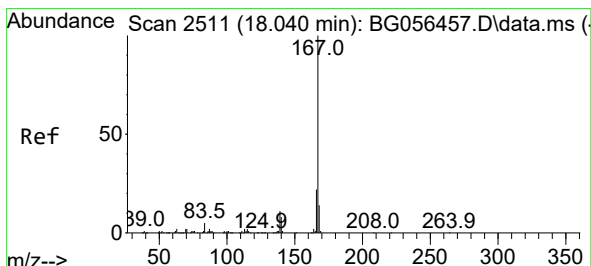
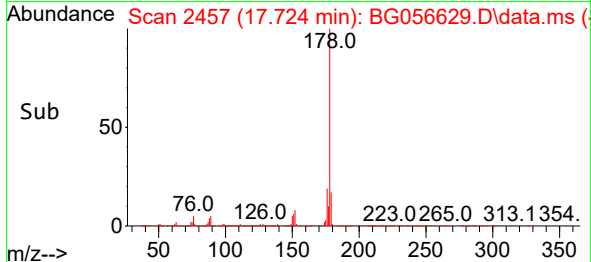
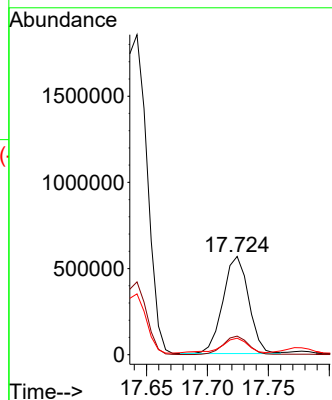
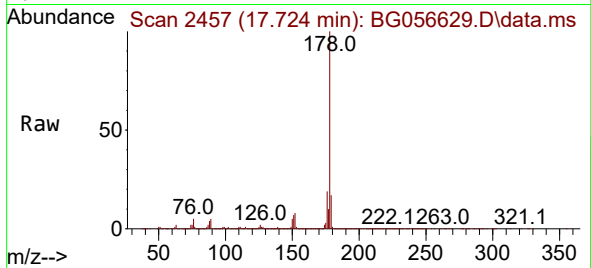




#72
 Anthracene
 Concen: 57.628 ng
 RT: 17.724 min Scan# 2466
 Delta R.T. 0.011 min
 Lab File: BG056629.D
 Acq: 13 Feb 2023 21:31

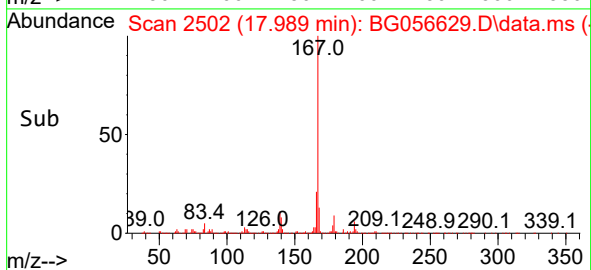
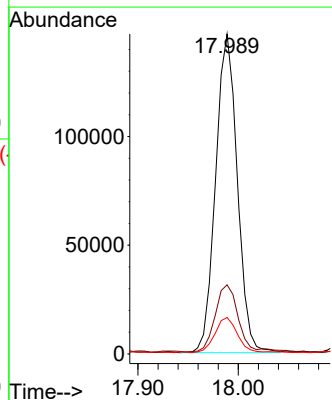
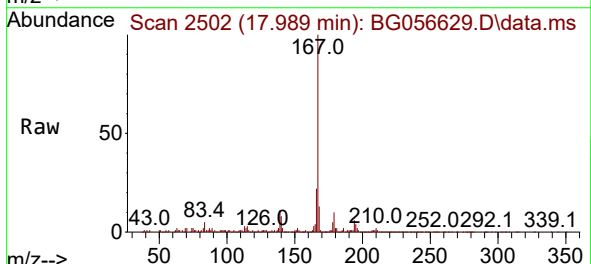
Instrument :
 BNA_G
 ClientSampleId :

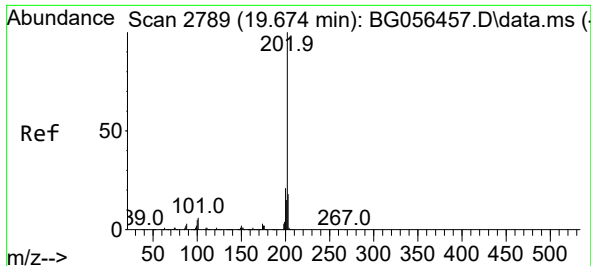
Tgt Ion:178 Resp: 826322
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.5 21.7
 179 16.7 12.5 18.7



#73
 Carbazole
 Concen: 17.956 ng
 RT: 17.989 min Scan# 2502
 Delta R.T. 0.005 min
 Lab File: BG056629.D
 Acq: 13 Feb 2023 21:31

Tgt Ion:167 Resp: 219285
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.8 26.6
 139 11.4 8.9 13.3

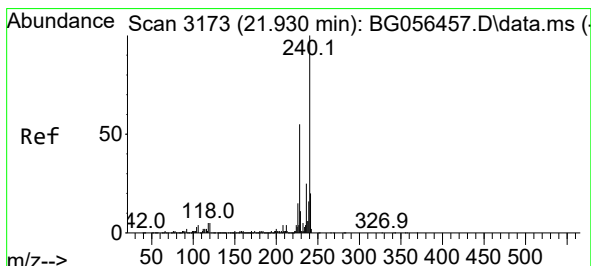
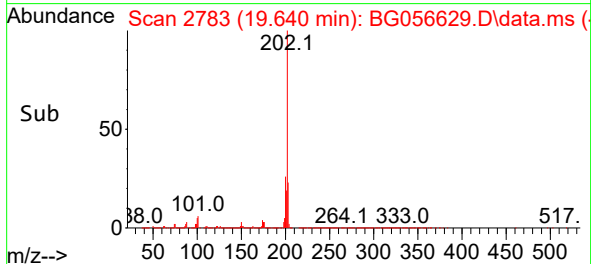
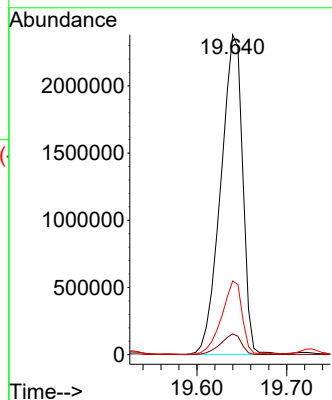
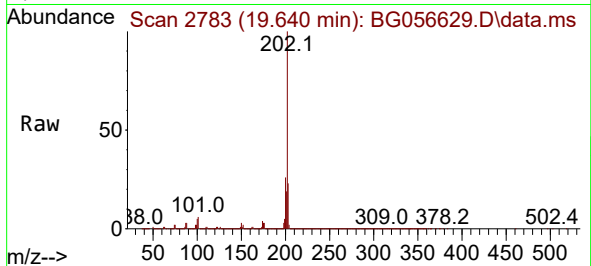




#75
Fluoranthene
Concen: 227.531 ng
RT: 19.640 min Scan# 21
Delta R.T. 0.016 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

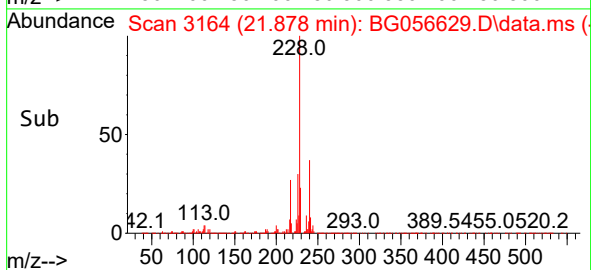
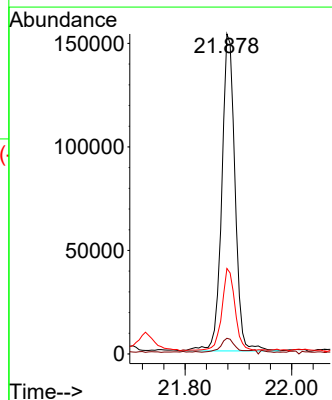
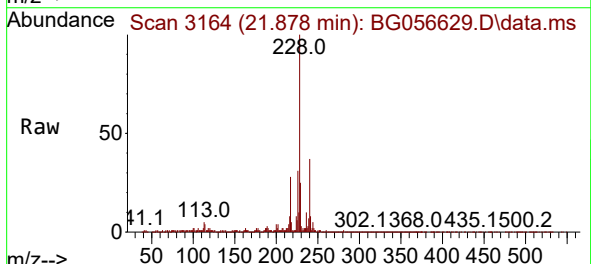
Instrument :
BNA_G
ClientSampleId :

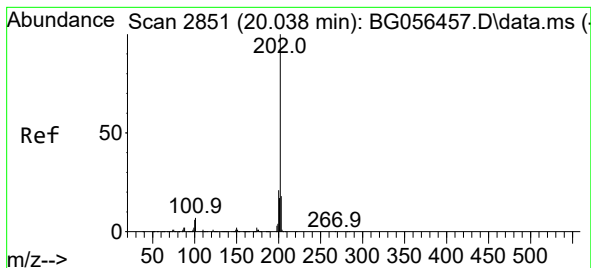
Tgt Ion:202 Resp: 4011332
Ion Ratio Lower Upper
202 100
101 6.5 0.0 25.6
203 23.1 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.878 min Scan# 3164
Delta R.T. 0.016 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

Tgt Ion:240 Resp: 263247
Ion Ratio Lower Upper
240 100
120 4.9 3.8 5.8
236 26.7 20.2 30.2





#78

Pyrene

Concen: 205.905 ng

RT: 20.004 min Scan# 21

Delta R.T. 0.022 min

Lab File: BG056629.D

Acq: 13 Feb 2023 21:31

Instrument :

BNA_G

ClientSampleId :

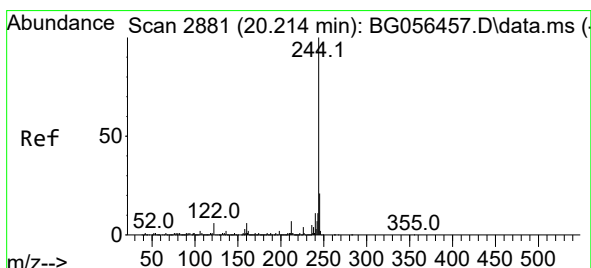
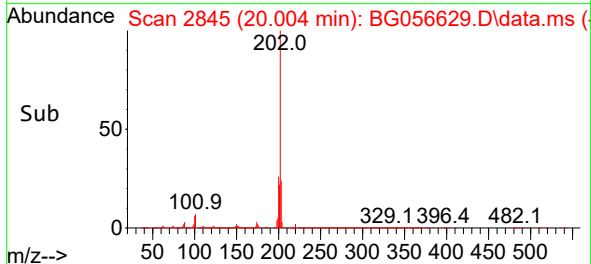
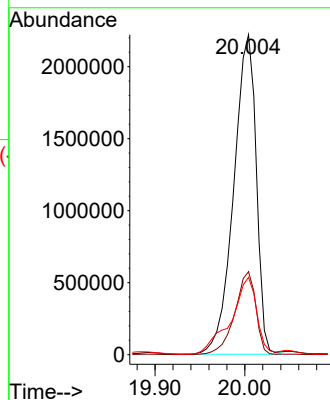
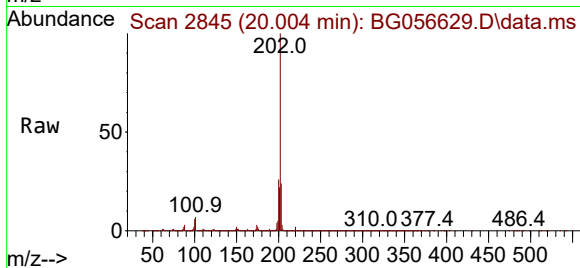
Tgt Ion:202 Resp: 3855086

Ion Ratio Lower Upper

202 100

200 26.0 16.7 25.1#

203 24.2 14.4 21.6#



#79

Terphenyl-d14

Concen: 27.807 ng

RT: 20.163 min Scan# 2872

Delta R.T. 0.005 min

Lab File: BG056629.D

Acq: 13 Feb 2023 21:31

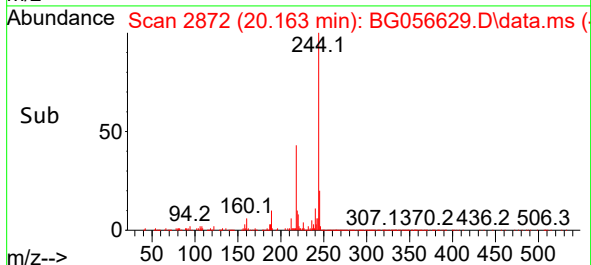
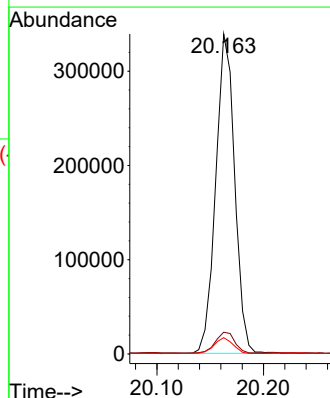
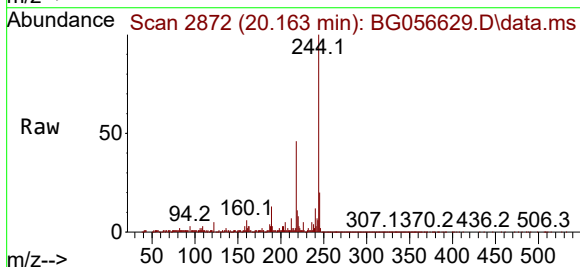
Tgt Ion:244 Resp: 416771

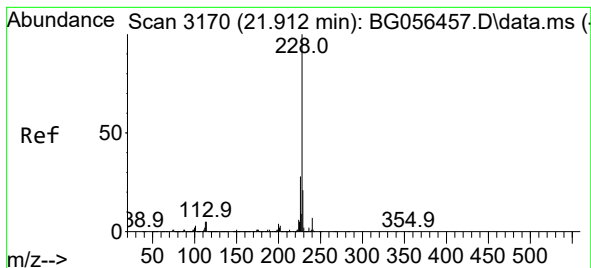
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 5.1 4.4 6.6





#81

Benzo(a)anthracene

Concen: 125.031 ng

RT: 21.861 min Scan# 3161

Delta R.T. 0.022 min

Lab File: BG056629.D

Acq: 13 Feb 2023 21:31

Instrument :

BNA_G

ClientSampleId :

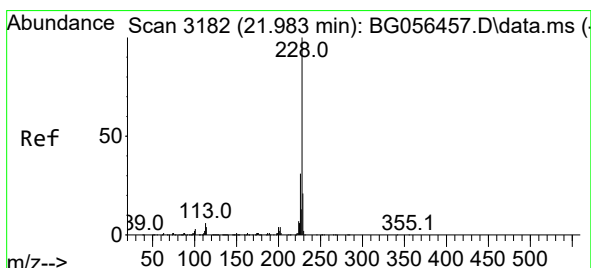
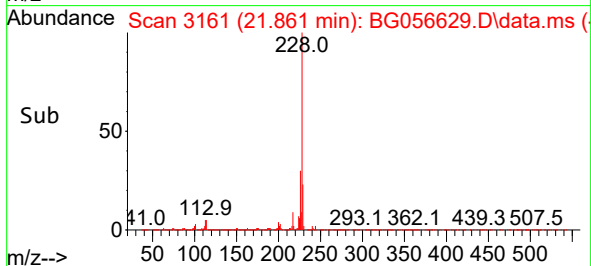
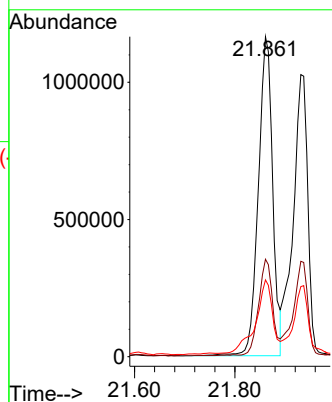
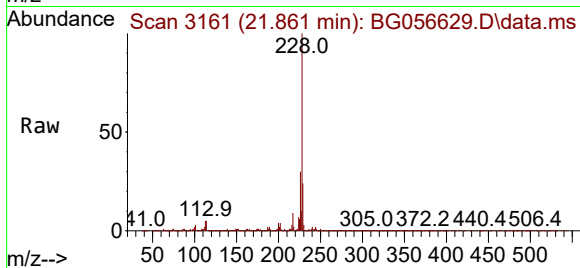
Tgt Ion:228 Resp: 2301055

Ion Ratio Lower Upper

228 100

226 30.5 22.4 33.6

229 24.0 16.5 24.7



#83

Chrysene

Concen: 133.153 ng

RT: 21.861 min Scan# 3161

Delta R.T. -0.048 min

Lab File: BG056629.D

Acq: 13 Feb 2023 21:31

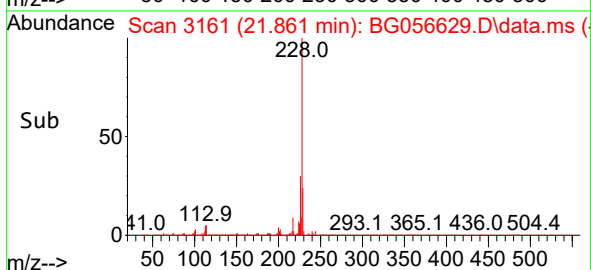
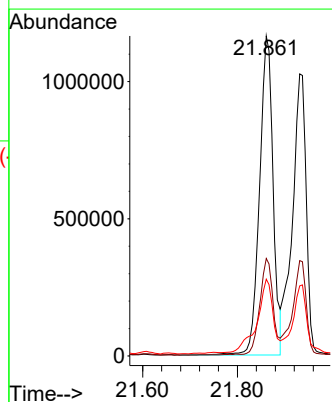
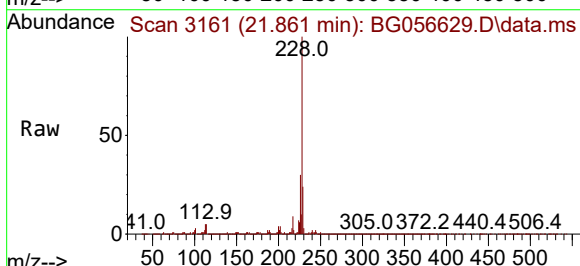
Tgt Ion:228 Resp: 2302238

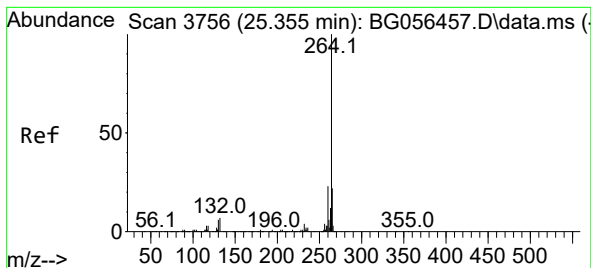
Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.4

229 24.0 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.280 min Scan# 31

Delta R.T. 0.046 min

Lab File: BG056629.D

Acq: 13 Feb 2023 21:31

Instrument :

BNA_G

ClientSampleId :

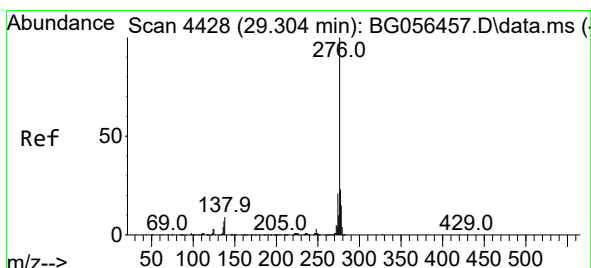
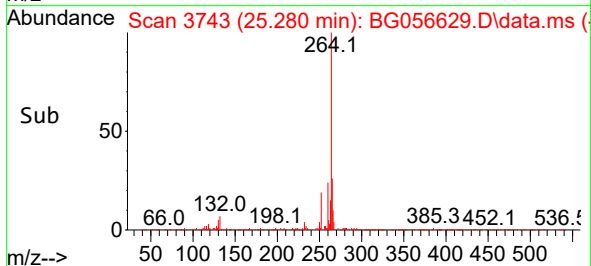
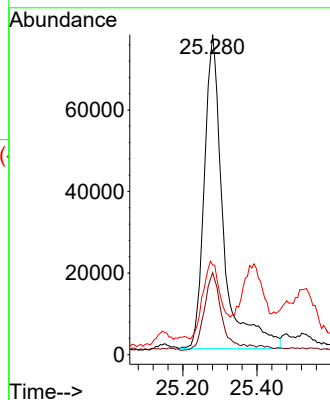
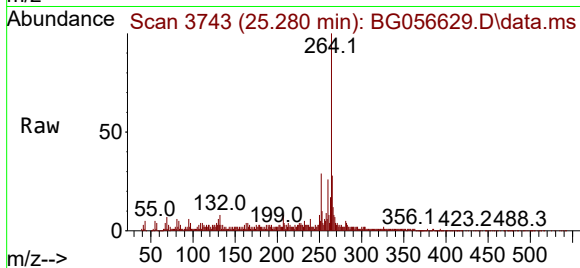
Tgt Ion:264 Resp: 273613

Ion Ratio Lower Upper

264 100

260 25.6 18.2 27.4

265 28.1 18.1 27.1#



#87

Indeno(1,2,3-cd)pyrene

Concen: 33.318 ng

RT: 29.199 min Scan# 4410

Delta R.T. 0.069 min

Lab File: BG056629.D

Acq: 13 Feb 2023 21:31

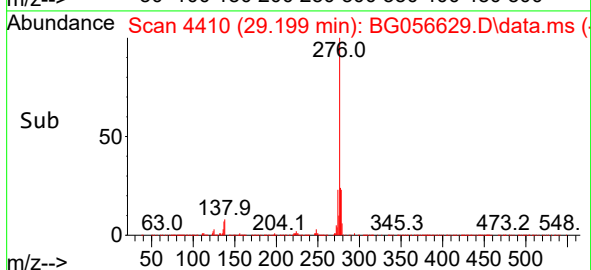
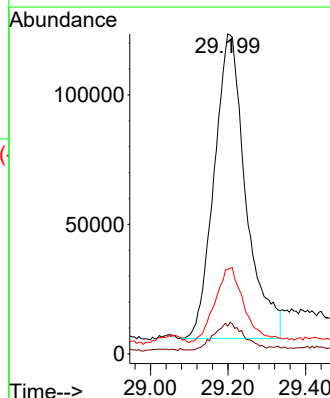
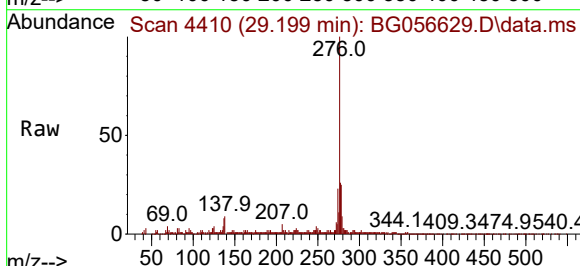
Tgt Ion:276 Resp: 667320

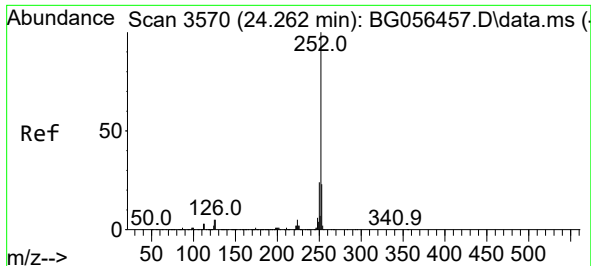
Ion Ratio Lower Upper

276 100

138 8.4 9.4 14.2#

277 23.2 20.3 30.5

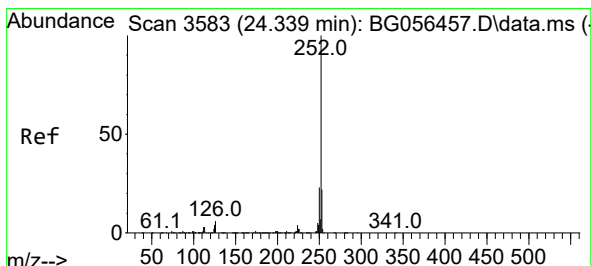
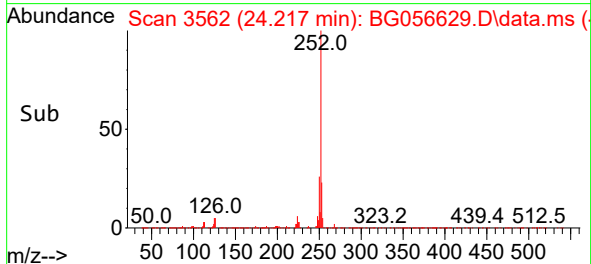
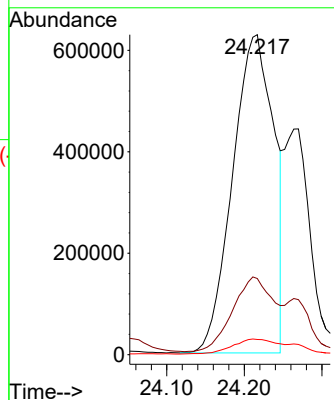
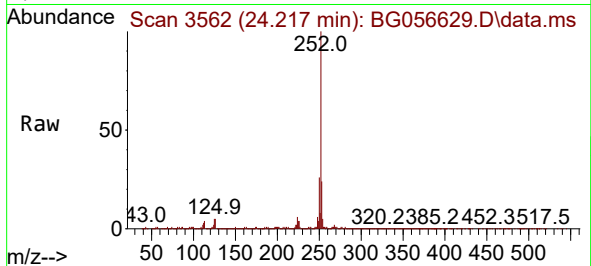




#88
Benzo(b)fluoranthene
Concen: 136.439 ng
RT: 24.217 min Scan# 3562
Delta R.T. 0.058 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

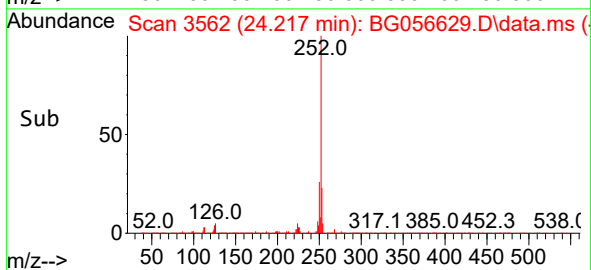
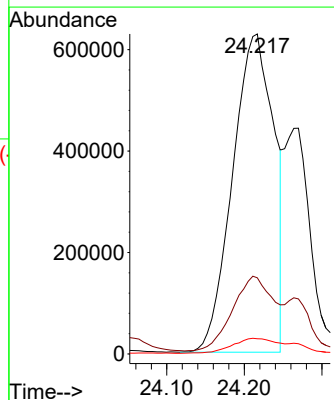
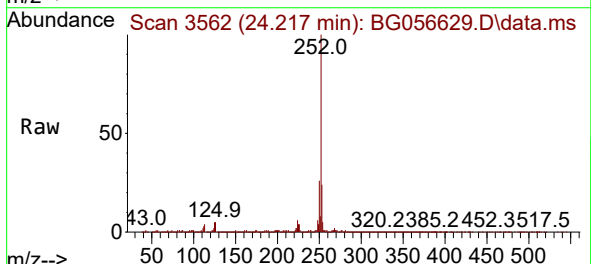
Instrument :
BNA_G
ClientSampleId :

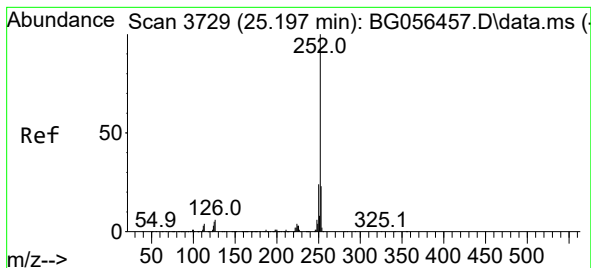
Tgt Ion:252 Resp: 2317127
Ion Ratio Lower Upper
252 100
253 23.8 18.1 27.1
125 4.8 3.9 5.9



#89
Benzo(k)fluoranthene
Concen: 135.137 ng
RT: 24.217 min Scan# 3562
Delta R.T. -0.013 min
Lab File: BG056629.D
Acq: 13 Feb 2023 21:31

Tgt Ion:252 Resp: 2317127
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 4.8 3.4 5.0





#90

Benzo(a)pyrene

Concen: 119.996 ng

RT: 25.139 min Scan# 31

Delta R.T. 0.058 min

Lab File: BG056629.D

Acq: 13 Feb 2023 21:31

Instrument :

BNA_G

ClientSampleId :

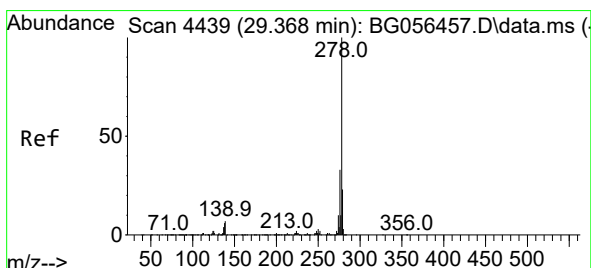
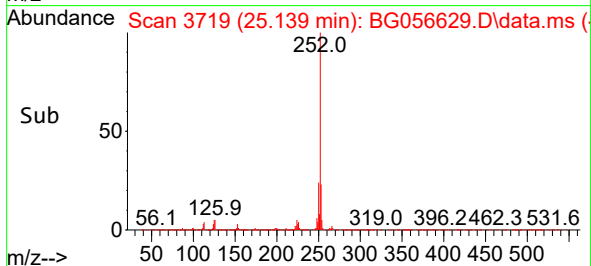
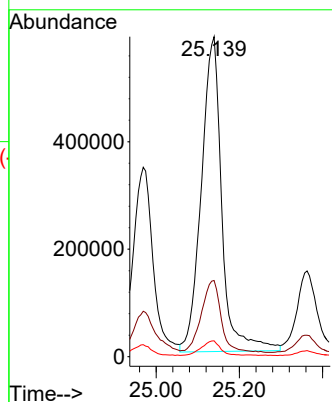
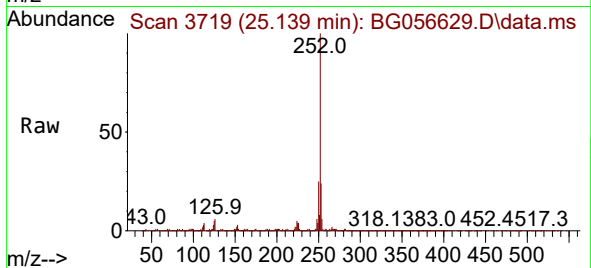
Tgt Ion:252 Resp: 2007438

Ion Ratio Lower Upper

252 100

253 23.8 18.4 27.6

125 5.0 4.1 6.1



#91

Dibenzo(a,h)anthracene

Concen: 10.869 ng

RT: 29.223 min Scan# 4414

Delta R.T. 0.040 min

Lab File: BG056629.D

Acq: 13 Feb 2023 21:31

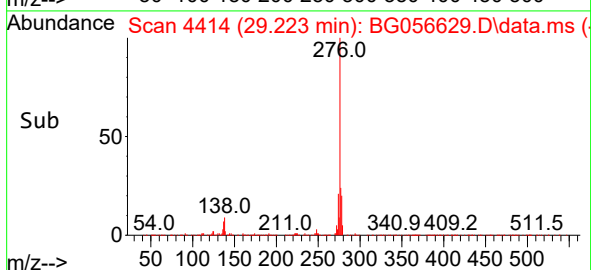
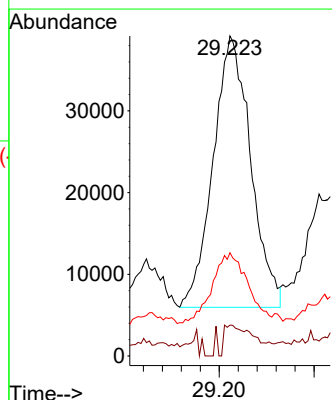
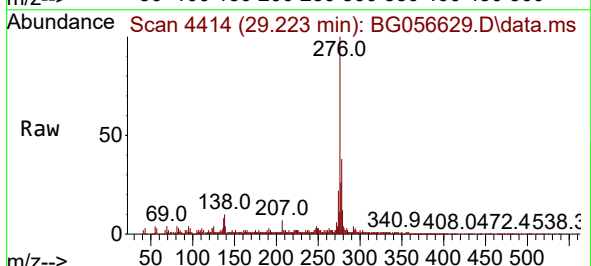
Tgt Ion:278 Resp: 182732

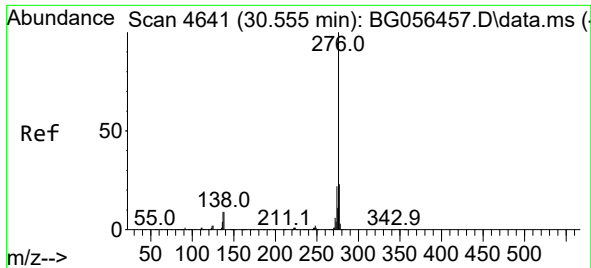
Ion Ratio Lower Upper

278 100

139 9.7 5.5 8.3#

279 32.3 18.8 28.2#





#92

Benzo(g,h,i)perylene

Concen: 35.945 ng

RT: 30.427 min Scan# 4

Delta R.T. 0.075 min

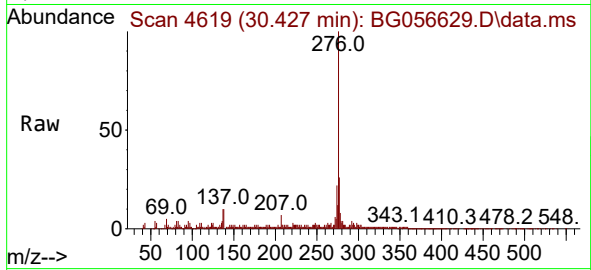
Lab File: BG056629.D

Acq: 13 Feb 2023 21:31

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:276 Resp: 583096

Ion Ratio Lower Upper

276 100

277 25.8 18.5 27.7

138 9.8 7.4 11.0

