

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040623\
 Data File : BG057020.D
 Acq On : 6 Apr 2023 20:26
 Operator : CG/JU
 Sample : 02126-03 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RS-C

Quant Time: Apr 07 01:40:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 07 01:33:41 2023
 Response via : Initial Calibration

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

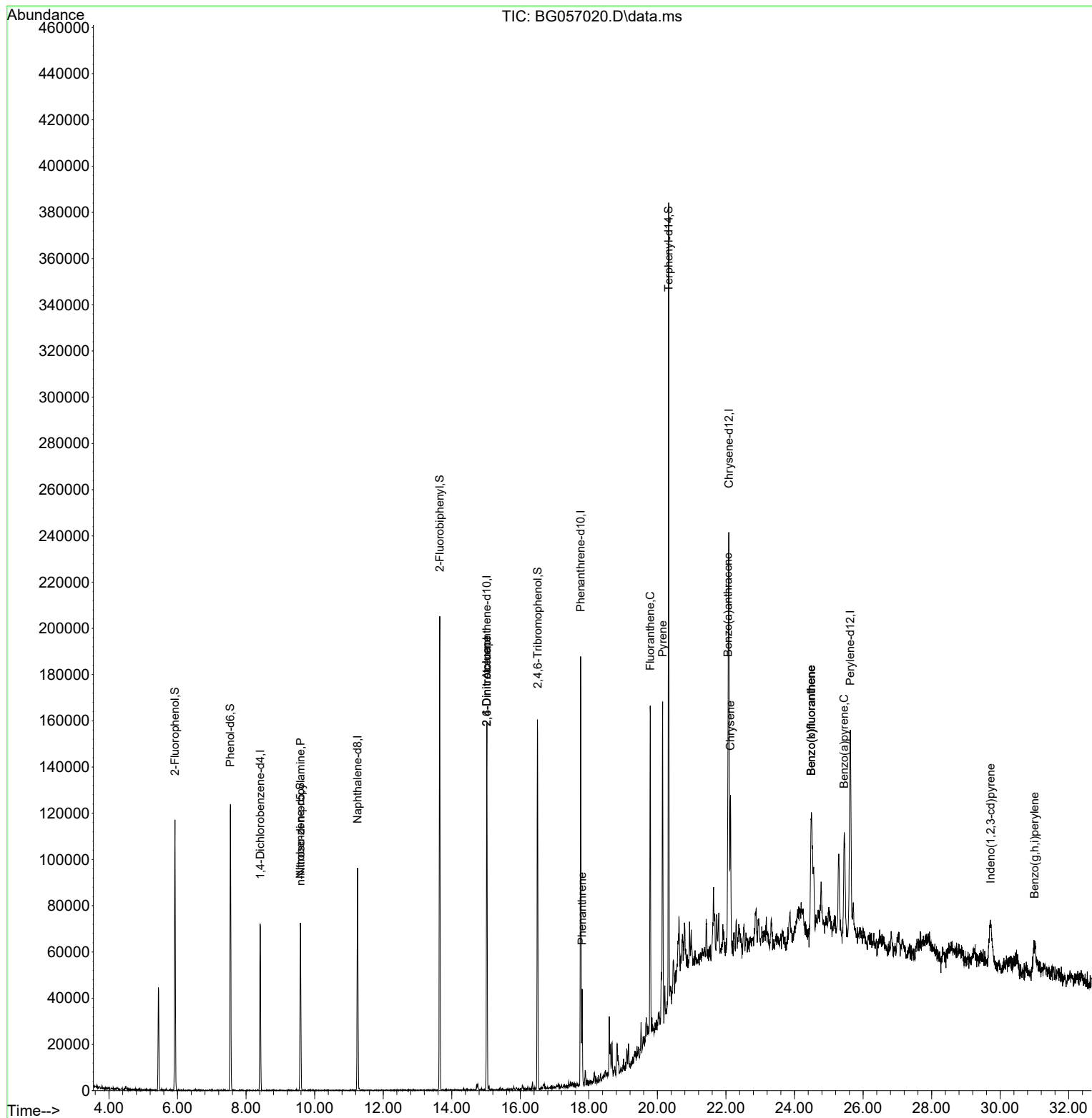
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.409	152	20235	20.000	ng	0.00
21) Naphthalene-d8	11.252	136	79116	20.000	ng	0.00
39) Acenaphthene-d10	15.023	164	53917	20.000	ng	0.00
64) Phenanthrene-d10	17.761	188	121388	20.000	ng	0.00
76) Chrysene-d12	22.084	240	104526	20.000	ng	0.00
86) Perylene-d12	25.626	264	113014	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.924	112	49471	39.128	ng	0.00
7) Phenol-d6	7.539	99	70096	37.069	ng	0.00
23) Nitrobenzene-d5	9.584	82	45596	23.582	ng	-0.01
42) 2,4,6-Tribromophenol	16.504	330	33207	38.553	ng	0.00
45) 2-Fluorobiphenyl	13.649	172	104910	26.385	ng	0.00
79) Terphenyl-d14	20.328	244	158729	25.696	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.589	70	6073	4.490	ng	# 75
51) 2,6-Dinitrotoluene	15.017	165	7851	8.553	ng	# 18
57) 2,4-Dinitrotoluene	15.017	165	7851	6.065	ng	# 18
71) Phenanthrene	17.802	178	25428	4.109	ng	97
75) Fluoranthene	19.793	202	89457	11.402	ng	99
78) Pyrene	20.152	202	90003	12.449	ng	97
81) Benzo(a)anthracene	22.061	228	49222	6.805	ng	97
83) Chrysene	22.131	228	52010	7.680	ng	95
87) Indeno(1,2,3-cd)pyrene	29.727	276	36352	4.352	ng	# 89
88) Benzo(b)fluoranthene	24.487	252	78610	11.123	ng	99
89) Benzo(k)fluoranthene	24.487	252	78610	11.142	ng	# 96
90) Benzo(a)pyrene	25.450	252	57615	8.296	ng	98
92) Benzo(g,h,i)perylene	31.002	276	34271	5.098	ng	98

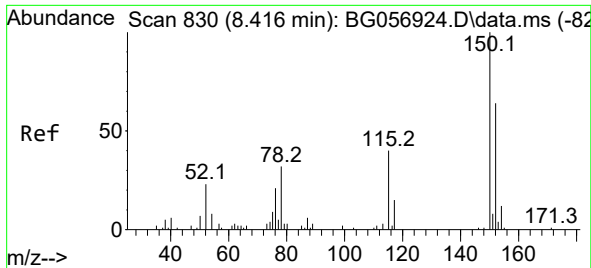
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
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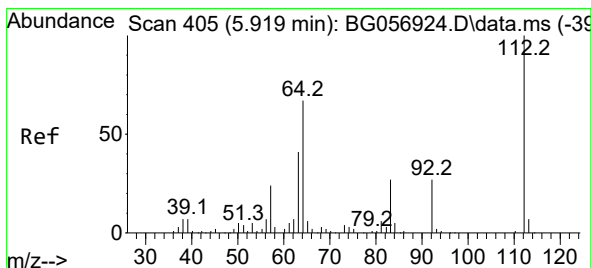
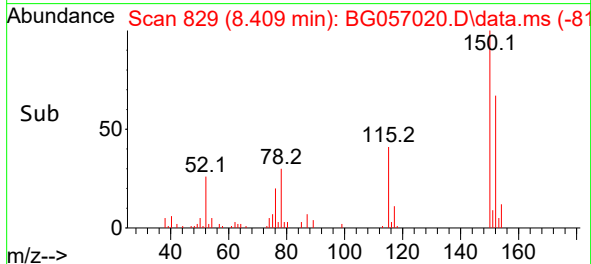
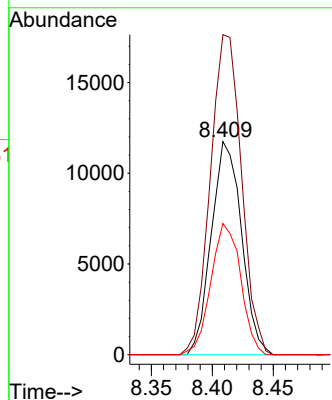
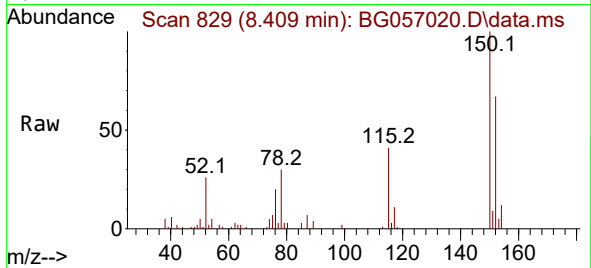




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.409 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

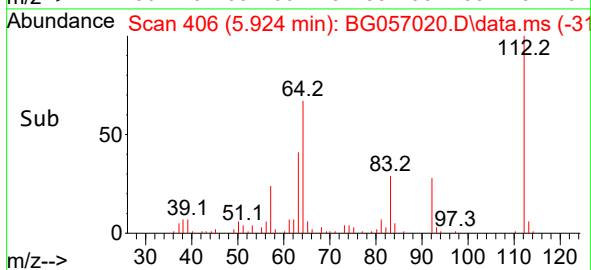
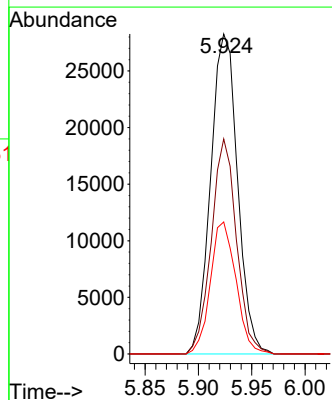
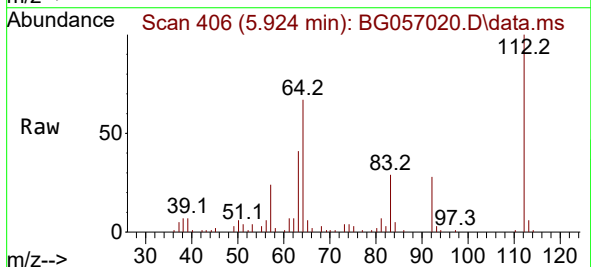
Instrument :
BNA_G
ClientSampleId :
RS-C

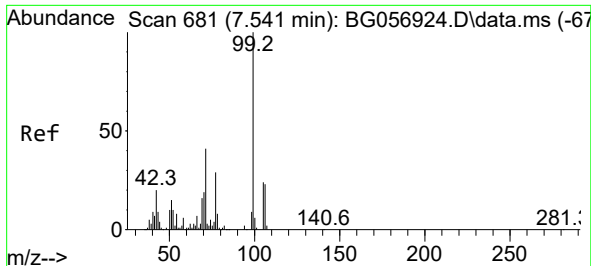
Tgt Ion:152 Resp: 20235
Ion Ratio Lower Upper
152 100
150 150.2 124.1 186.1
115 61.6 49.1 73.7



#5
2-Fluorophenol
Concen: 39.128 ng
RT: 5.924 min Scan# 406
Delta R.T. 0.007 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

Tgt Ion:112 Resp: 49471
Ion Ratio Lower Upper
112 100
64 67.2 53.2 79.8
63 41.3 32.6 48.8

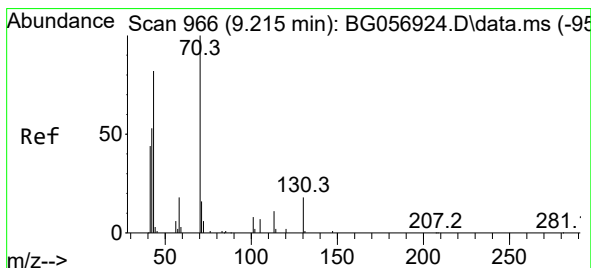
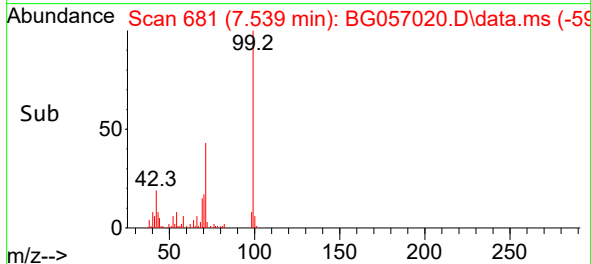
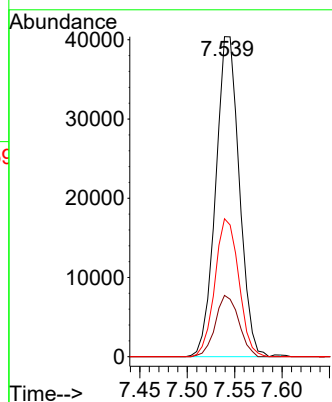
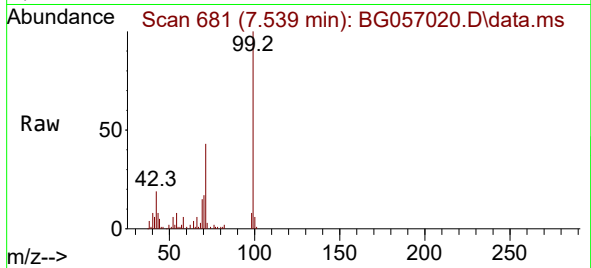




#7
Phenol-d6
Concen: 37.069 ng
RT: 7.539 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

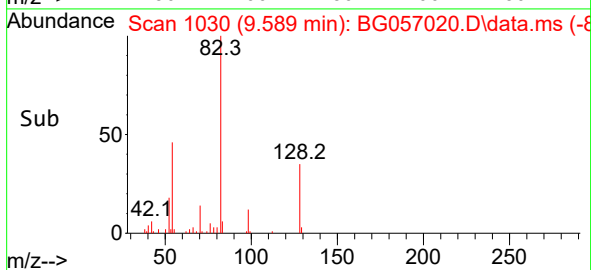
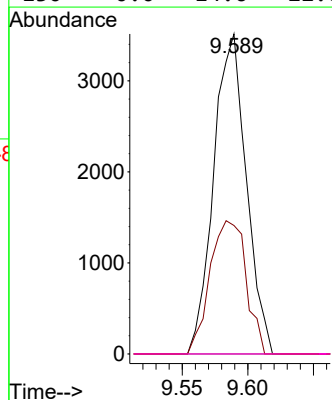
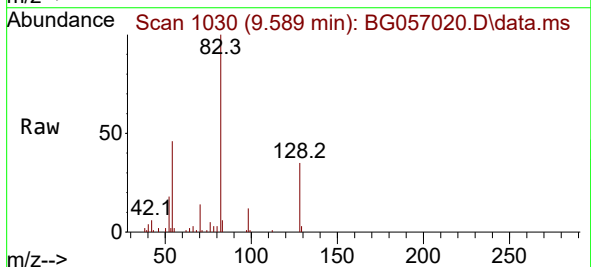
Instrument :
BNA_G
ClientSampleId :
RS-C

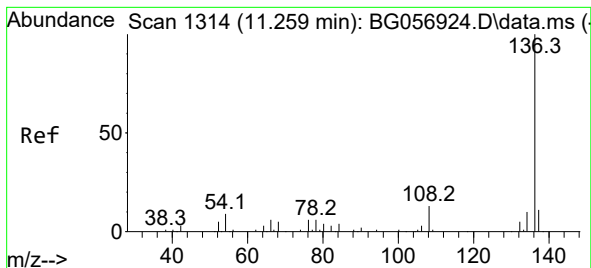
Tgt Ion: 99 Resp: 70096
Ion Ratio Lower Upper
99 100
42 19.2 15.7 23.5
71 43.1 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 4.490 ng
RT: 9.589 min Scan# 1030
Delta R.T. 0.377 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

Tgt Ion: 70 Resp: 6073
Ion Ratio Lower Upper
70 100
42 40.1 43.4 65.0#
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.252 min Scan# 11

Delta R.T. 0.001 min

Lab File: BG057020.D

Acq: 6 Apr 2023 20:26

Instrument :

BNA_G

ClientSampleId :

RS-C

Tgt Ion:136 Resp: 79116

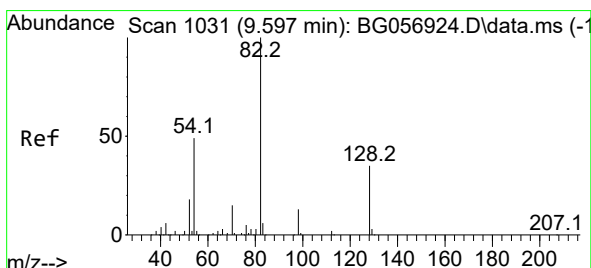
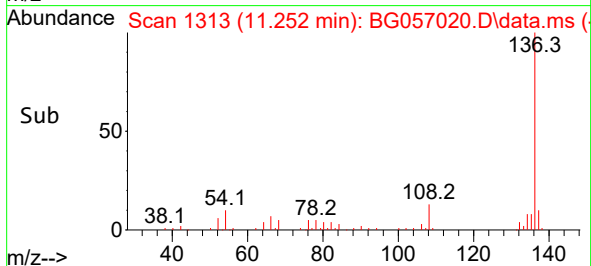
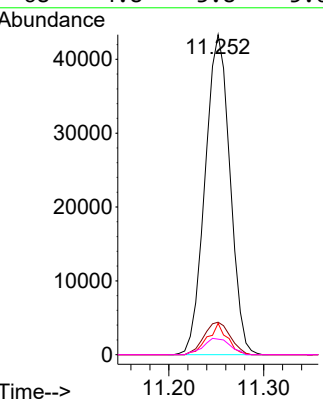
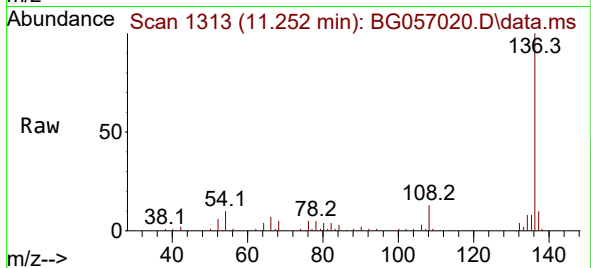
Ion Ratio Lower Upper

136 100

137 10.1 8.6 13.0

54 9.8 6.9 10.3

68 4.8 3.8 5.6



#23

Nitrobenzene-d5

Concen: 23.582 ng

RT: 9.584 min Scan# 1029

Delta R.T. -0.010 min

Lab File: BG057020.D

Acq: 6 Apr 2023 20:26

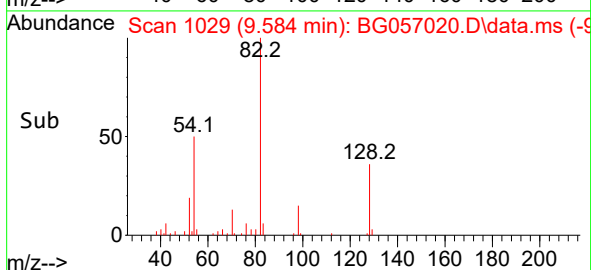
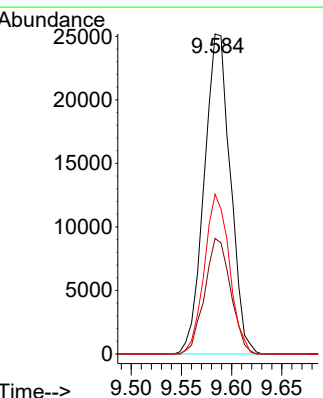
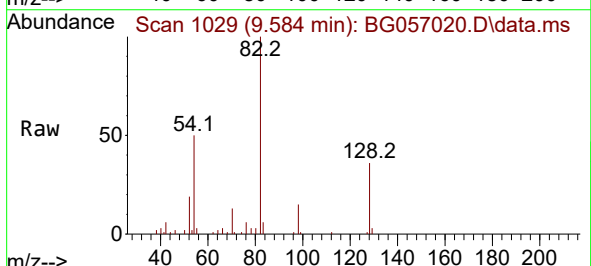
Tgt Ion: 82 Resp: 45596

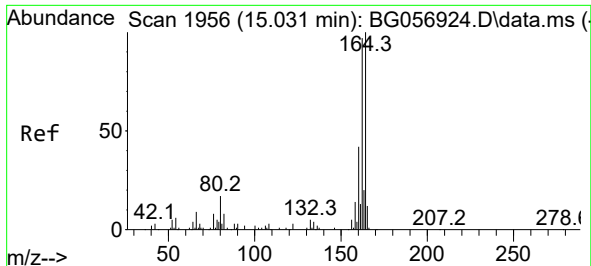
Ion Ratio Lower Upper

82 100

128 36.1 27.9 41.9

54 49.9 39.4 59.2

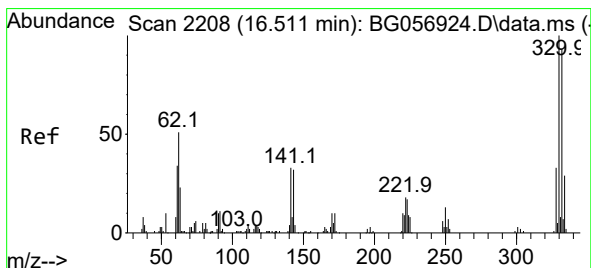
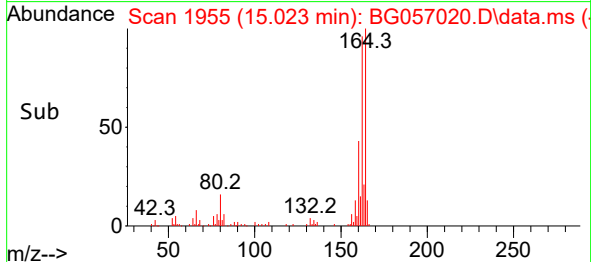
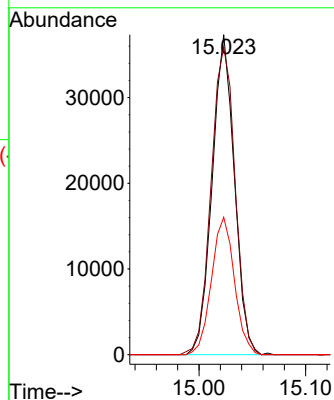
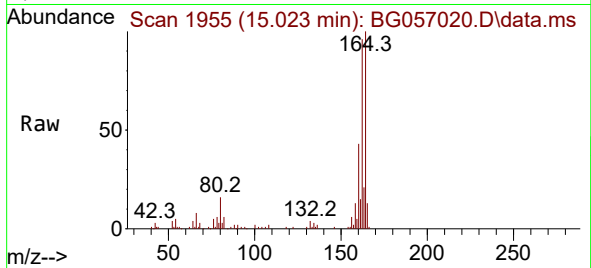




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.023 min Scan# 1955
Delta R.T. -0.004 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

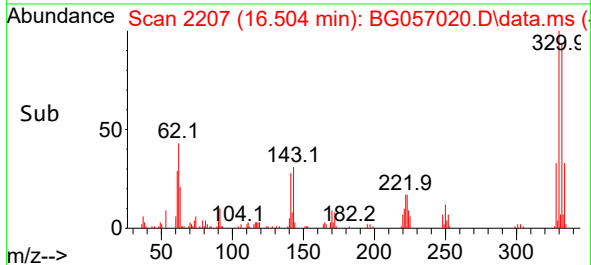
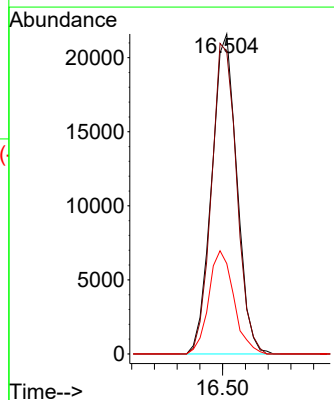
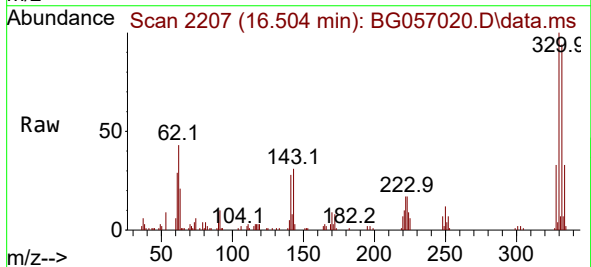
Instrument :
BNA_G
ClientSampleId :
RS-C

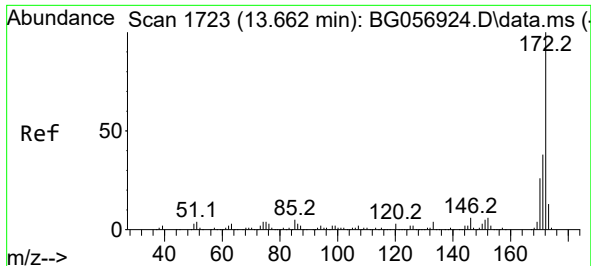
Tgt Ion:164 Resp: 53917
Ion Ratio Lower Upper
164 100
162 96.2 77.8 116.8
160 42.9 33.5 50.3



#42
2,4,6-Tribromophenol
Concen: 38.553 ng
RT: 16.504 min Scan# 2207
Delta R.T. -0.004 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

Tgt Ion:330 Resp: 33207
Ion Ratio Lower Upper
330 100
332 97.1 76.1 114.1
141 32.2 25.8 38.6

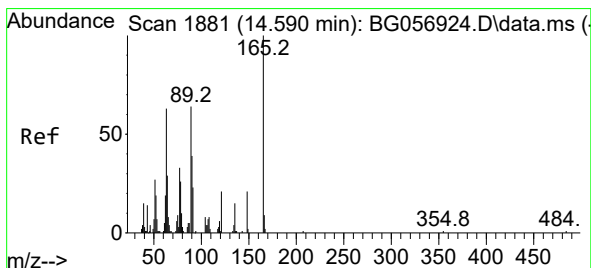
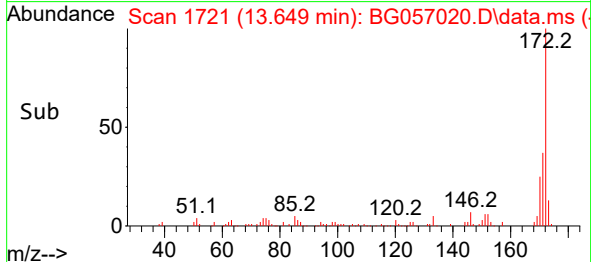
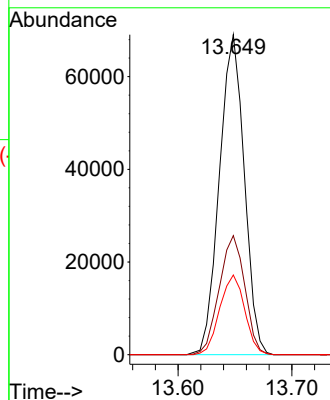
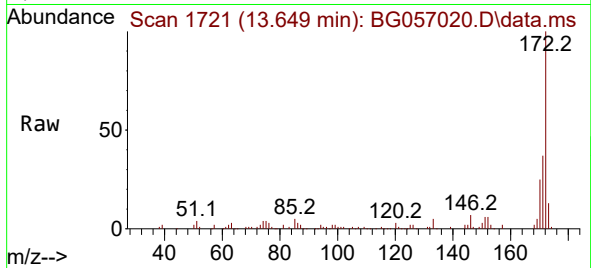




#45
2-Fluorobiphenyl
Concen: 26.385 ng
RT: 13.649 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

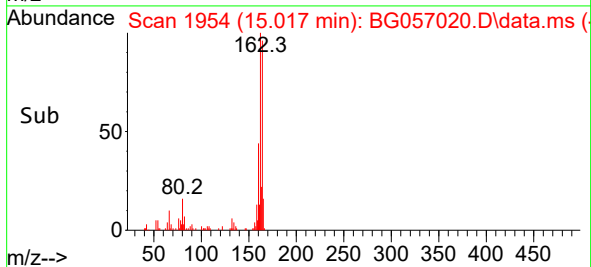
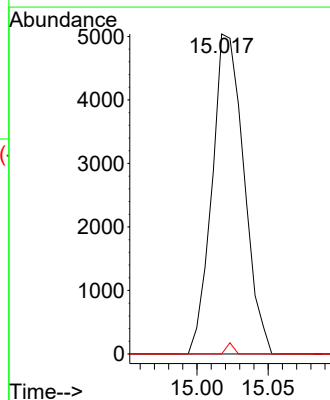
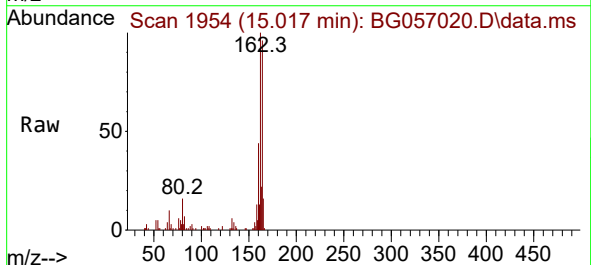
Instrument :
BNA_G
ClientSampleId :
RS-C

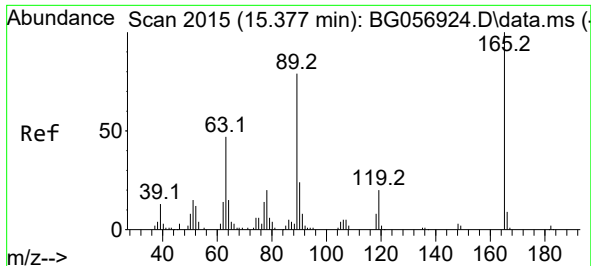
Tgt Ion:172 Resp: 104910
Ion Ratio Lower Upper
172 100
171 37.2 30.6 46.0
170 24.9 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 8.553 ng
RT: 15.017 min Scan# 1954
Delta R.T. 0.430 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

Tgt Ion:165 Resp: 7851
Ion Ratio Lower Upper
165 100
63 0.0 53.0 79.6#
89 0.0 51.0 76.4#





#57

2,4-Dinitrotoluene

Concen: 6.065 ng

RT: 15.017 min Scan# 1954

Delta R.T. -0.357 min

Lab File: BG057020.D

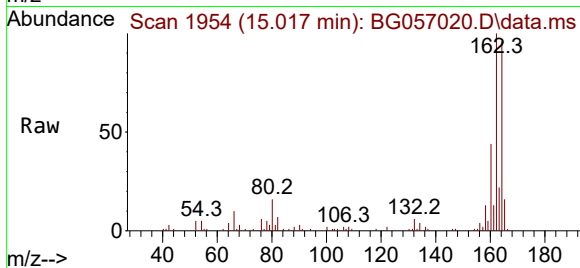
Acq: 6 Apr 2023 20:26

Instrument :

BNA_G

ClientSampleId :

RS-C



Tgt Ion:165 Resp: 7851

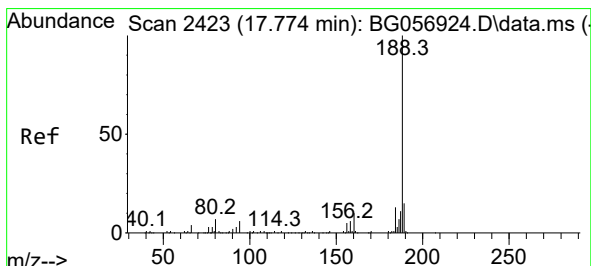
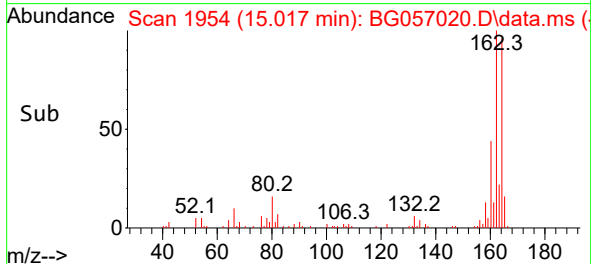
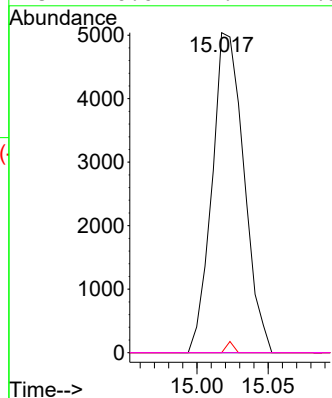
Ion Ratio Lower Upper

165 100

63 0.0 37.7 56.5#

89 0.0 63.2 94.8#

182 0.0 1.7 2.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.761 min Scan# 2421

Delta R.T. -0.004 min

Lab File: BG057020.D

Acq: 6 Apr 2023 20:26

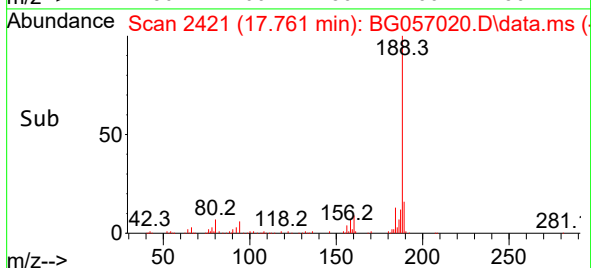
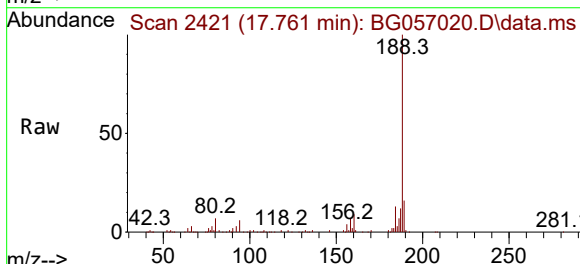
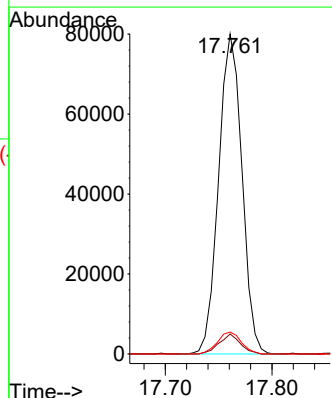
Tgt Ion:188 Resp: 121388

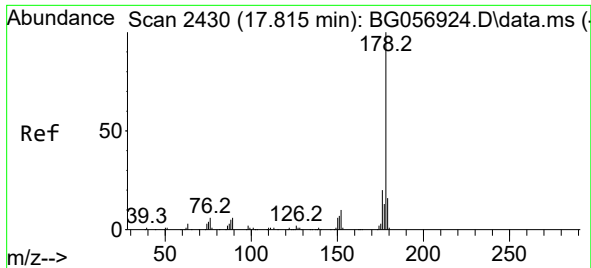
Ion Ratio Lower Upper

188 100

94 6.2 4.6 6.8

80 6.9 5.5 8.3

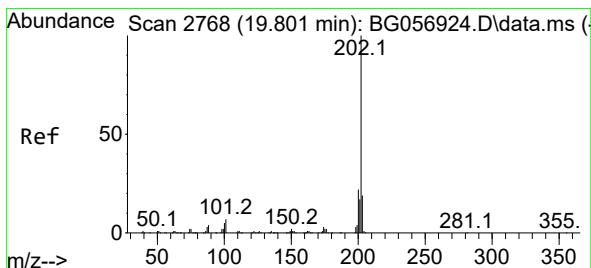
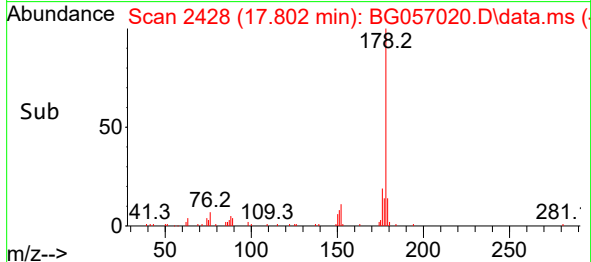
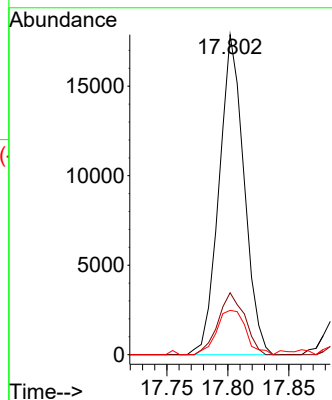
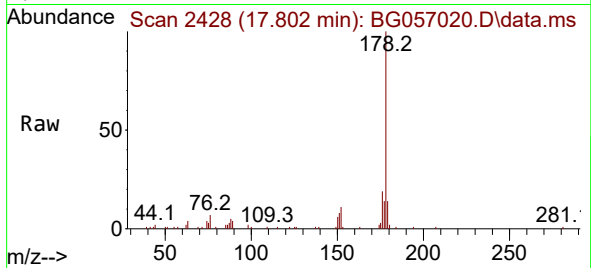




#71
Phenanthrene
Concen: 4.109 ng
RT: 17.802 min Scan# 2430
Delta R.T. -0.004 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

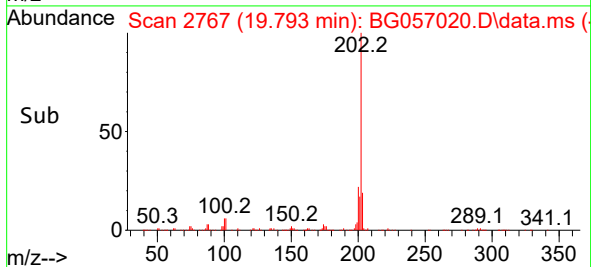
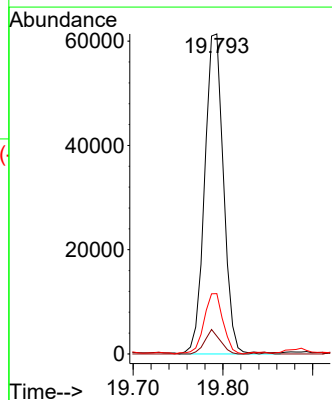
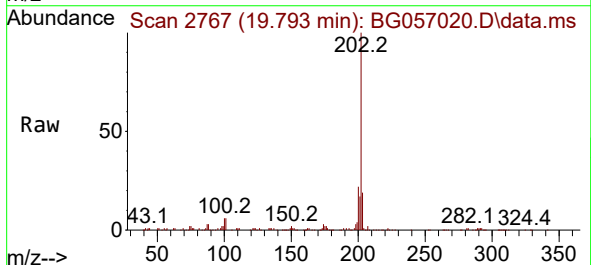
Instrument :
BNA_G
ClientSampleId :
RS-C

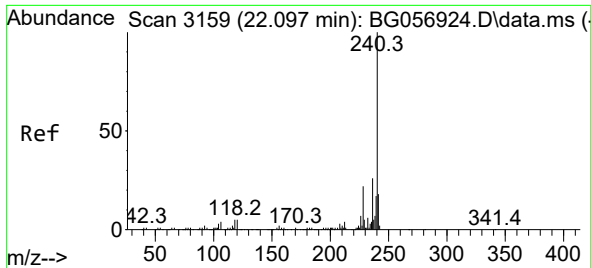
Tgt Ion:178 Resp: 25428
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.2
179 13.9 12.5 18.7



#75
Fluoranthene
Concen: 11.402 ng
RT: 19.793 min Scan# 2767
Delta R.T. 0.001 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

Tgt Ion:202 Resp: 89457
Ion Ratio Lower Upper
202 100
101 5.6 0.0 26.7
203 18.9 0.0 39.0

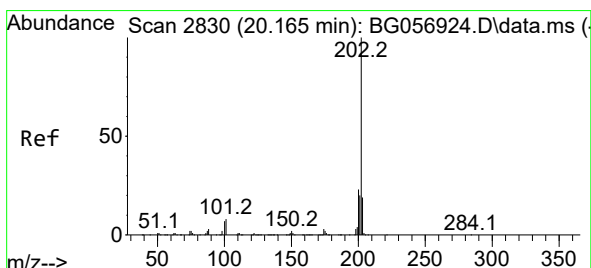
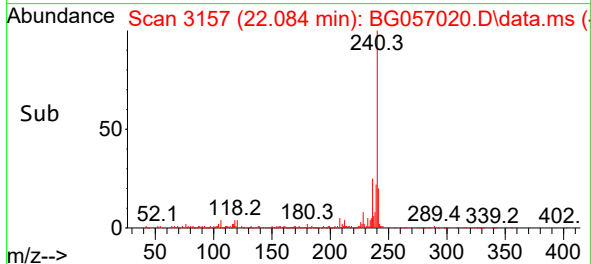
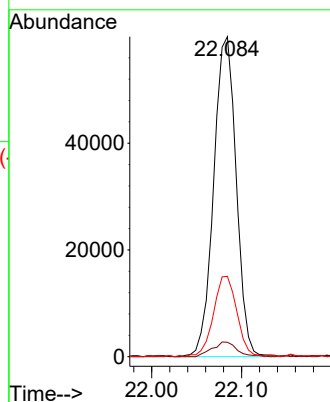
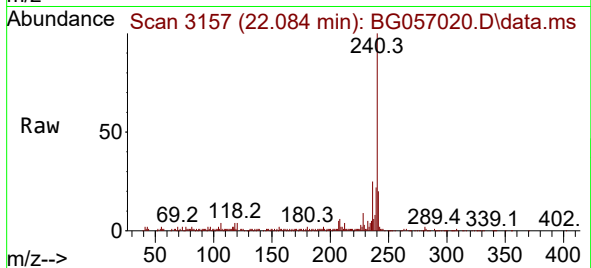




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.084 min Scan# 3157
Delta R.T. -0.004 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

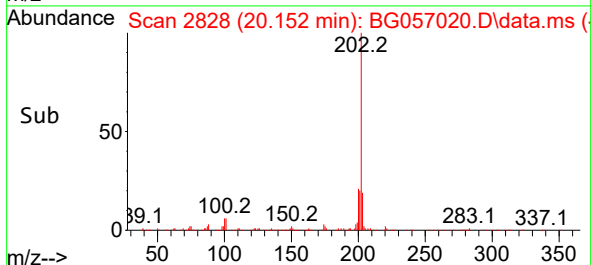
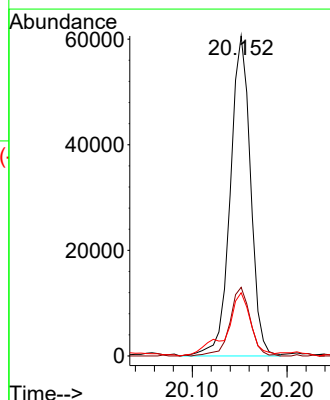
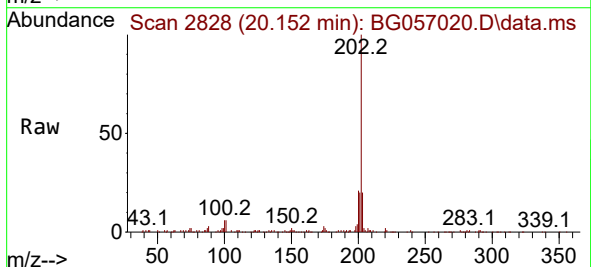
Instrument :
BNA_G
ClientSampleId :
RS-C

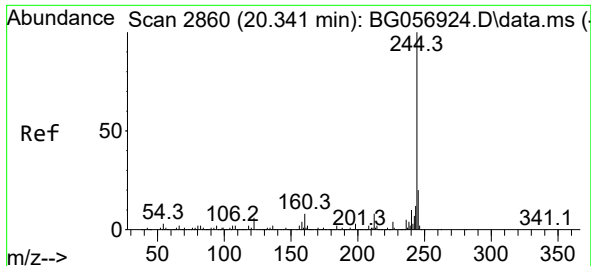
Tgt Ion:240 Resp: 104526
Ion Ratio Lower Upper
240 100
120 4.5 3.8 5.6
236 25.1 21.0 31.6



#78
Pyrene
Concen: 12.449 ng
RT: 20.152 min Scan# 2828
Delta R.T. 0.001 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

Tgt Ion:202 Resp: 90003
Ion Ratio Lower Upper
202 100
200 21.5 18.7 28.1
203 19.8 15.4 23.2

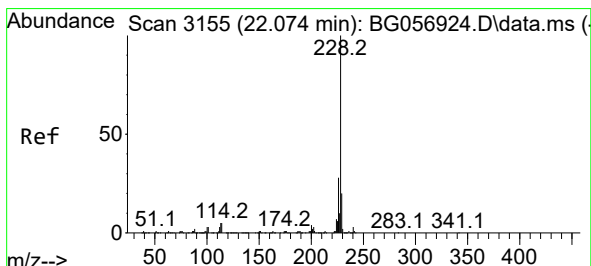
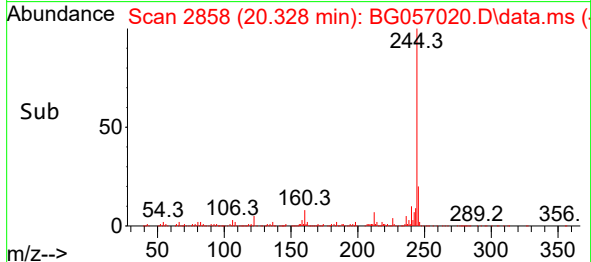
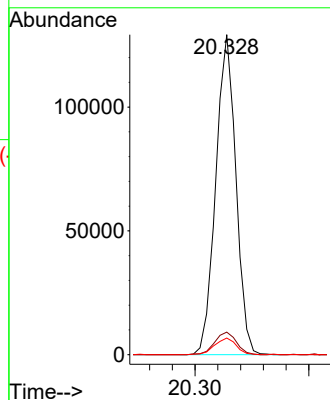
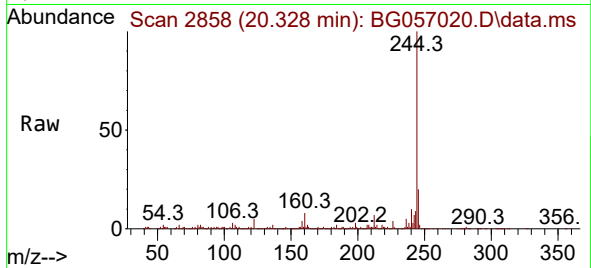




#79
 Terphenyl-d14
 Concen: 25.696 ng
 RT: 20.328 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG057020.D
 Acq: 6 Apr 2023 20:26

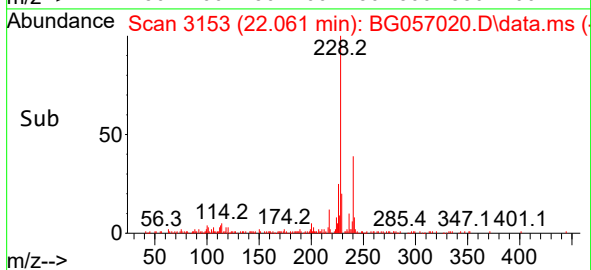
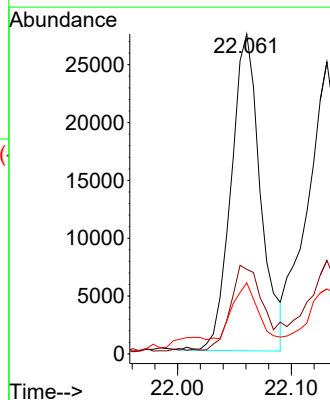
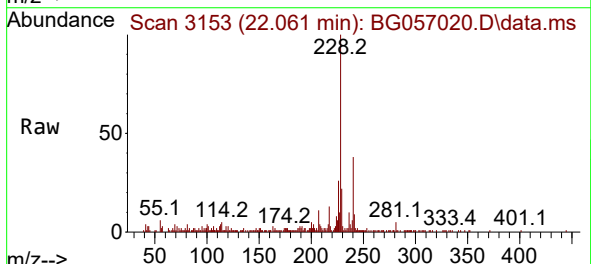
Instrument :
 BNA_G
 ClientSampleId :
 RS-C

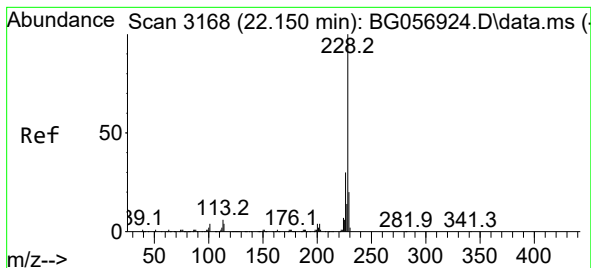
Tgt Ion:244 Resp: 158729
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 5.2 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 6.805 ng
 RT: 22.061 min Scan# 3153
 Delta R.T. -0.004 min
 Lab File: BG057020.D
 Acq: 6 Apr 2023 20:26

Tgt Ion:228 Resp: 49222
 Ion Ratio Lower Upper
 228 100
 226 26.4 22.1 33.1
 229 22.2 16.1 24.1





#83

Chrysene

Concen: 7.680 ng

RT: 22.131 min Scan# 3165

Delta R.T. -0.004 min

Lab File: BG057020.D

Acq: 6 Apr 2023 20:26

Instrument :

BNA_G

ClientSampleId :

RS-C

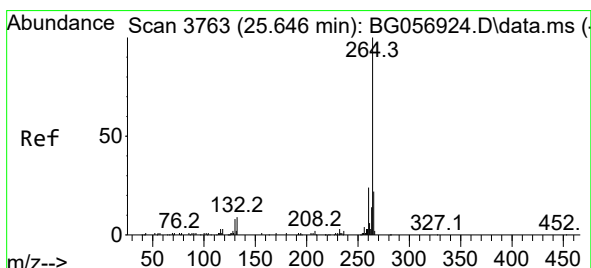
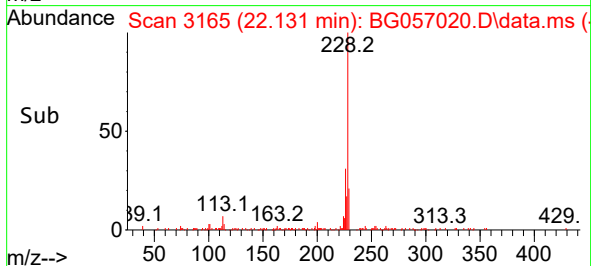
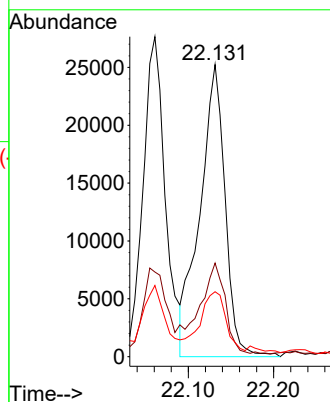
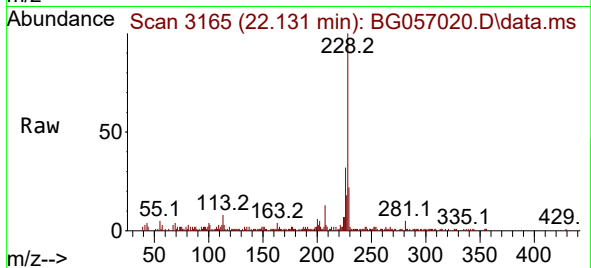
Tgt Ion:228 Resp: 52010

Ion Ratio Lower Upper

228 100

226 32.0 24.1 36.1

229 22.3 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.626 min Scan# 3760

Delta R.T. 0.001 min

Lab File: BG057020.D

Acq: 6 Apr 2023 20:26

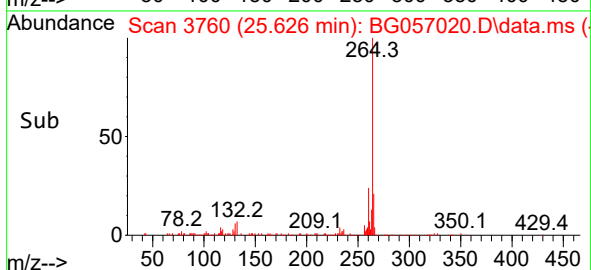
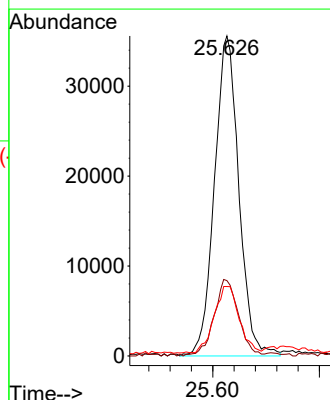
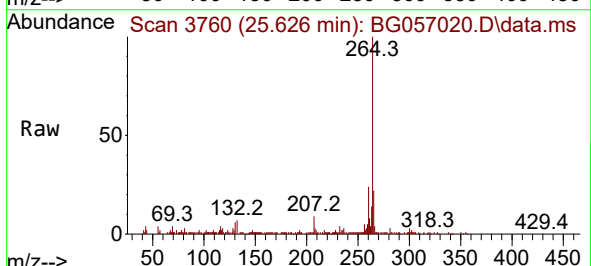
Tgt Ion:264 Resp: 113014

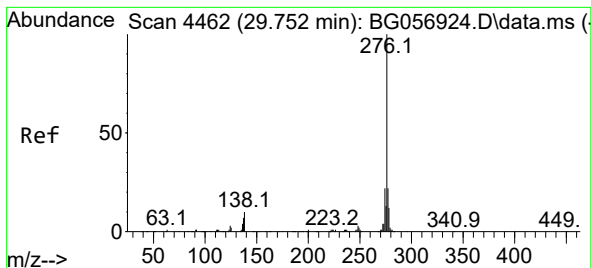
Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

265 21.7 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.352 ng

RT: 29.727 min Scan# 4462

Delta R.T. 0.001 min

Lab File: BG057020.D

Acq: 6 Apr 2023 20:26

Instrument :

BNA_G

ClientSampleId :

RS-C

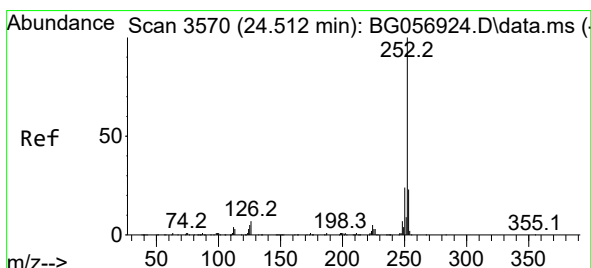
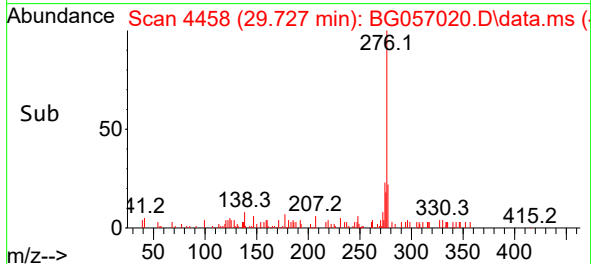
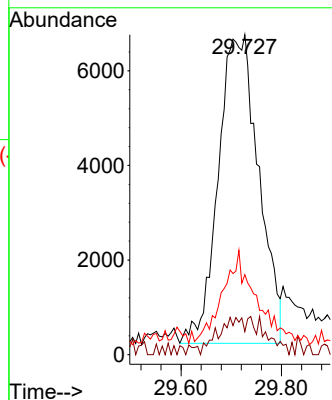
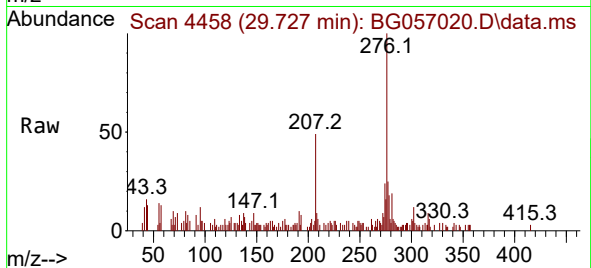
Tgt Ion:276 Resp: 36352

Ion Ratio Lower Upper

276 100

138 0.0 7.7 11.5#

277 23.6 21.0 31.4



#88

Benzo(b)fluoranthene

Concen: 11.123 ng

RT: 24.487 min Scan# 3566

Delta R.T. -0.004 min

Lab File: BG057020.D

Acq: 6 Apr 2023 20:26

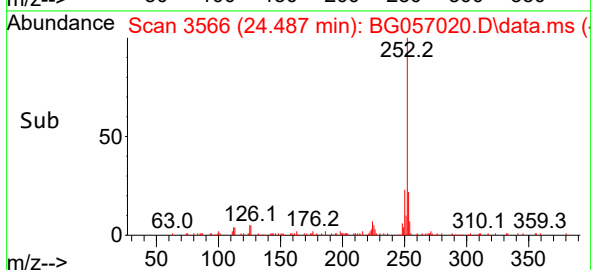
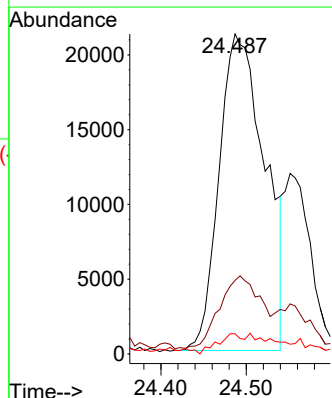
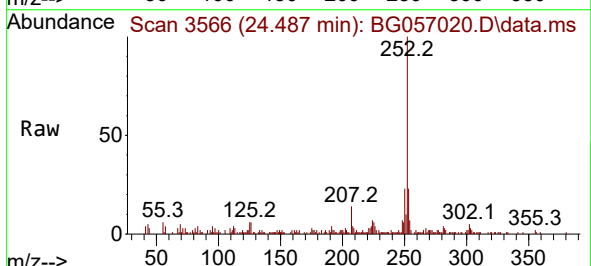
Tgt Ion:252 Resp: 78610

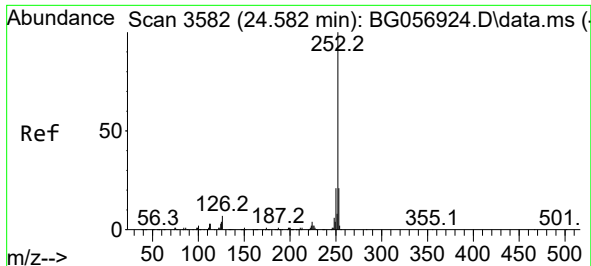
Ion Ratio Lower Upper

252 100

253 23.0 18.1 27.1

125 6.3 4.2 6.4

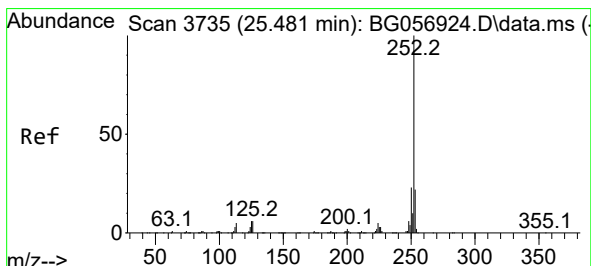
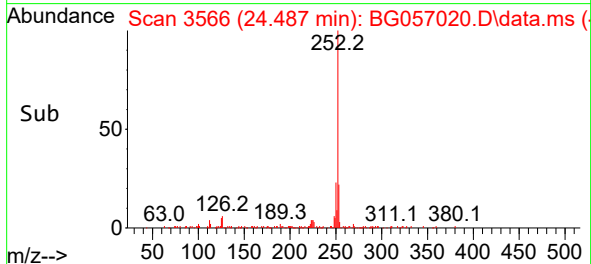
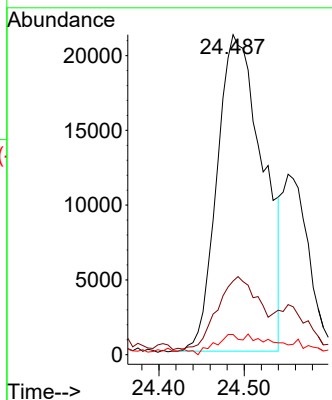
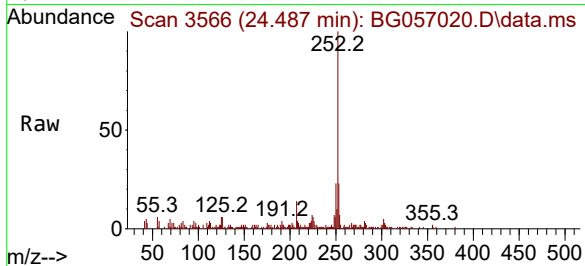




#89
Benzo(k)fluoranthene
Concen: 11.142 ng
RT: 24.487 min Scan# 31
Delta R.T. -0.081 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

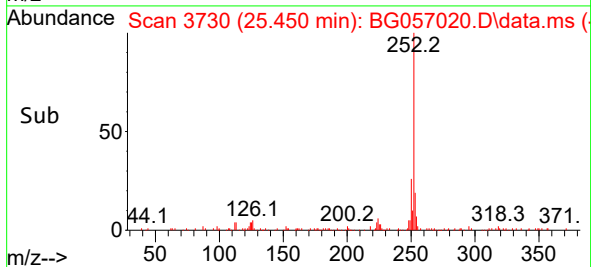
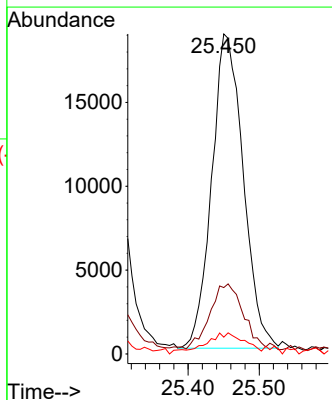
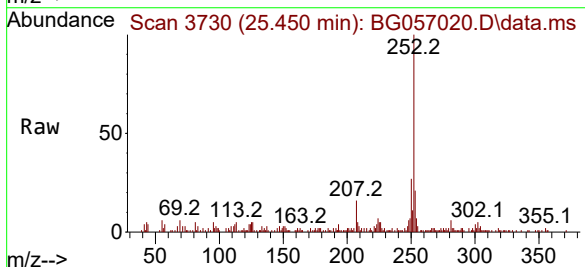
Instrument :
BNA_G
ClientSampleId :
RS-C

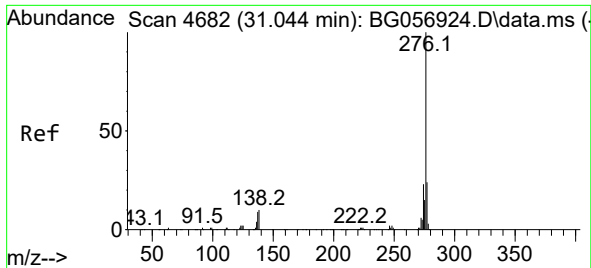
Tgt Ion:252 Resp: 78610
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 6.3 3.8 5.6#



#90
Benzo(a)pyrene
Concen: 8.296 ng
RT: 25.450 min Scan# 3730
Delta R.T. -0.010 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

Tgt Ion:252 Resp: 57615
Ion Ratio Lower Upper
252 100
253 20.8 17.6 26.4
125 5.3 4.5 6.7





#92

Benzo(g,h,i)perylene

Concen: 5.098 ng

RT: 31.002 min Scan# 4

Delta R.T. -0.010 min

Lab File: BG057020.D

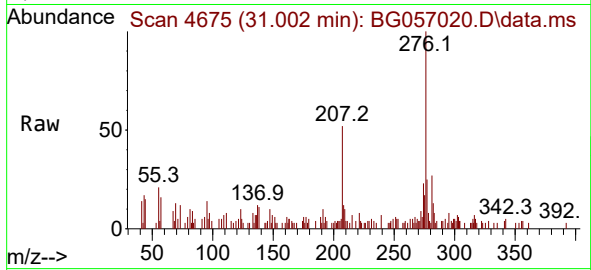
Acq: 6 Apr 2023 20:26

Instrument :

BNA_G

ClientSampleId :

RS-C



Tgt Ion:276 Resp: 34271

Ion Ratio Lower Upper

276 100

277 25.1 19.1 28.7

138 11.0 8.2 12.2

