

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
 Data File : BG057831.D
 Acq On : 23 Jun 2023 6:41
 Operator : CG/JU
 Sample : 03327-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSIT-TW-06

Quant Time: Jun 23 07:19:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 03:40:38 2023
 Response via : Initial Calibration

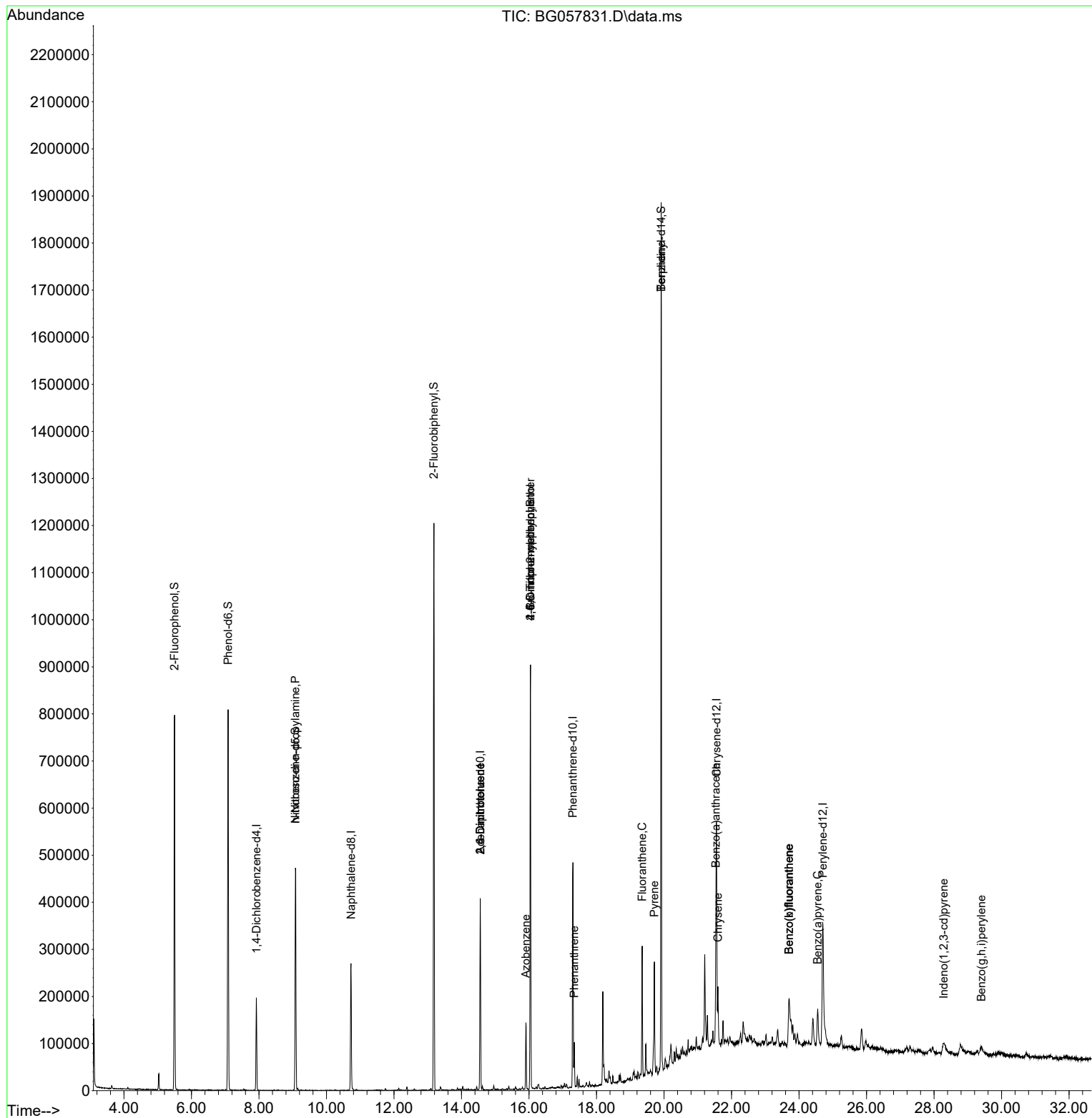
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.924	152	53695	20.000	ng	0.00
21) Naphthalene-d8	10.727	136	227890	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	141767	20.000	ng	0.00
64) Phenanthrene-d10	17.301	188	307167	20.000	ng	0.00
76) Chrysene-d12	21.555	240	258081	20.000	ng	0.00
86) Perylene-d12	24.704	264	320387	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.497	112	334856	96.157	ng	0.00
7) Phenol-d6	7.084	99	476286	89.636	ng	0.00
23) Nitrobenzene-d5	9.081	82	290132	65.341	ng	-0.01
42) 2,4,6-Tribromophenol	16.044	330	190557	96.494	ng	0.00
45) 2-Fluorobiphenyl	13.183	172	655290	70.108	ng	0.00
79) Terphenyl-d14	19.916	244	940631	67.962	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.081	70	36182	9.767	ng	# 75
51) 2,6-Dinitrotoluene	14.557	165	18913	9.432	ng	# 20
57) 2,4-Dinitrotoluene	14.557	165	18913	6.956	ng	# 20
63) Azobenzene	15.909	77	41139	3.600	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.044	198	482	5.615	ng	# 1
67) 4-Bromophenyl-phenylether	16.044	248	12068	3.705	ng	# 1
71) Phenanthrene	17.342	178	59306	3.988	ng	97
75) Fluoranthene	19.352	202	162780	9.187	ng	98
77) Benzidine	19.916	184	12501	2.066	ng	# 91
78) Pyrene	19.716	202	155041	8.421	ng	99
81) Benzo(a)anthracene	21.537	228	92974	5.251	ng	99
83) Chrysene	21.596	228	86525	5.092	ng	96
87) Indeno(1,2,3-cd)pyrene	28.288	276	50340	2.403	ng	93
88) Benzo(b)fluoranthene	23.706	252	135019	7.690	ng	99
89) Benzo(k)fluoranthene	23.706	252	135019	7.551	ng	98
90) Benzo(a)pyrene	24.552	252	90639	5.257	ng	94
92) Benzo(g,h,i)perylene	29.405	276	47970	2.756	ng	98

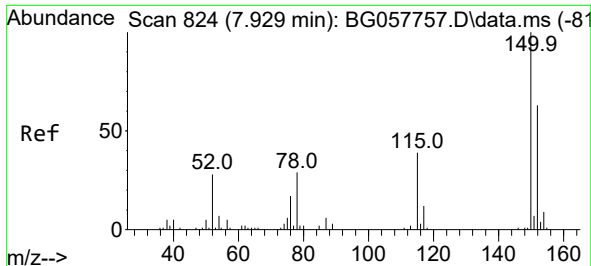
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
Data File : BG057831.D
Acq On : 23 Jun 2023 6:41
Operator : CG/JU
Sample : 03327-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-06

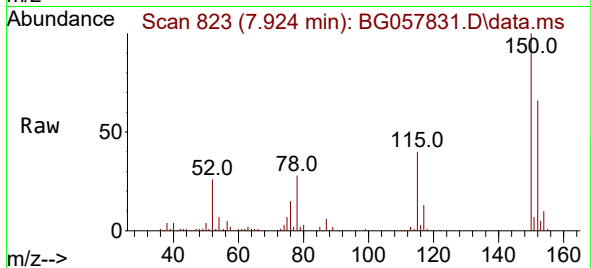
Quant Time: Jun 23 07:19:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 03:40:38 2023
Response via : Initial Calibration



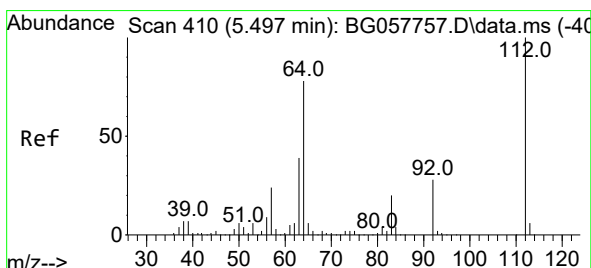
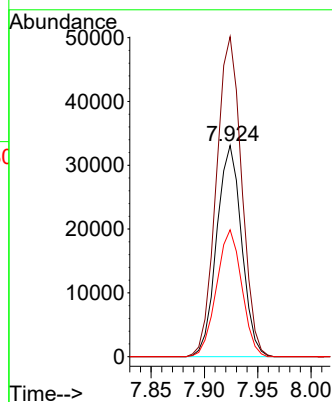
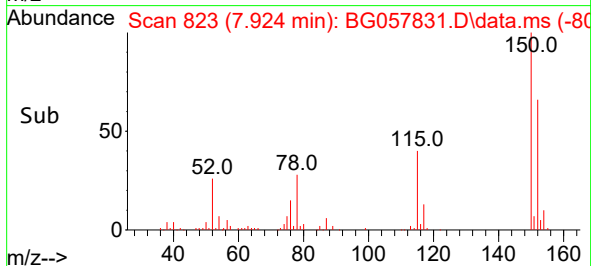


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.924 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

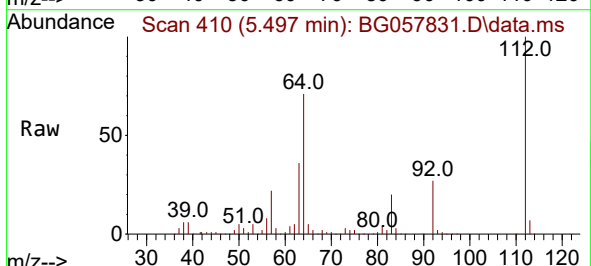
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-06



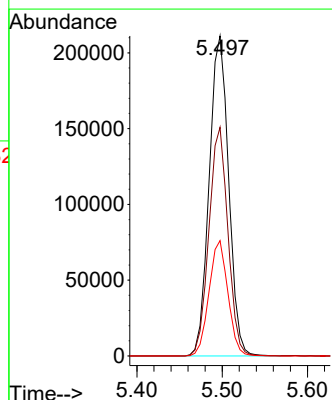
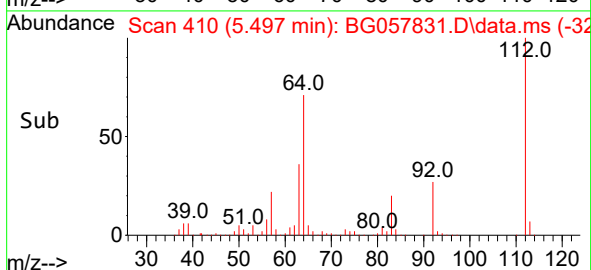
Tgt Ion:152 Resp: 53695
Ion Ratio Lower Upper
152 100
150 151.5 126.6 189.8
115 60.0 48.9 73.3

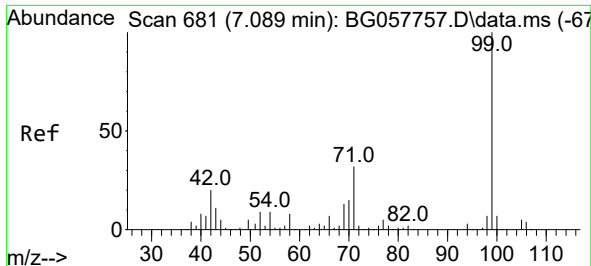


#5
2-Fluorophenol
Concen: 96.157 ng
RT: 5.497 min Scan# 410
Delta R.T. 0.000 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41



Tgt Ion:112 Resp: 334856
Ion Ratio Lower Upper
112 100
64 71.4 62.1 93.1
63 36.0 31.5 47.3

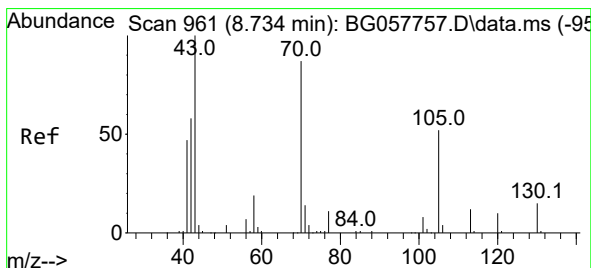
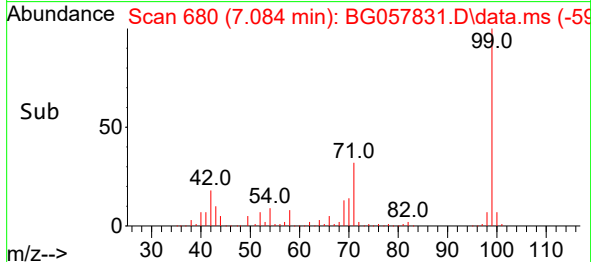
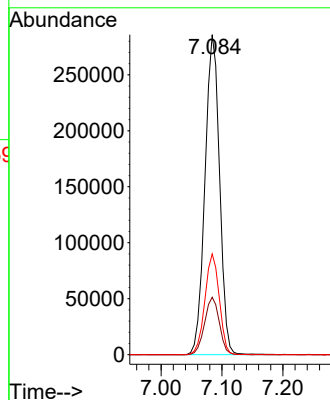
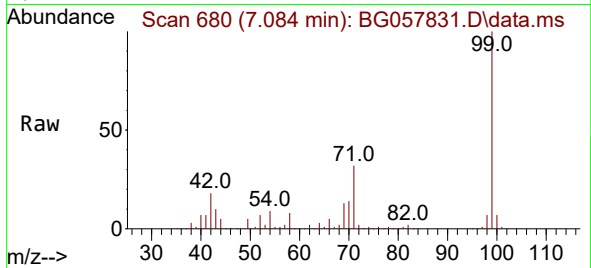




#7
Phenol-d6
Concen: 89.636 ng
RT: 7.084 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

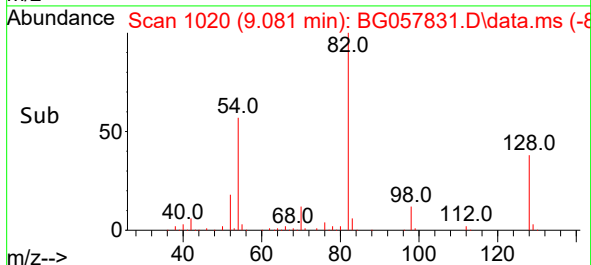
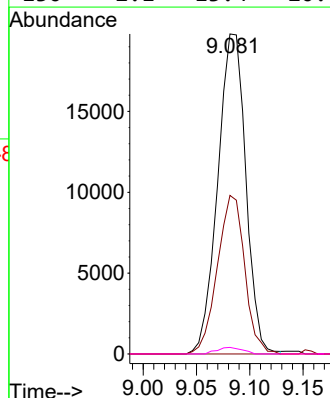
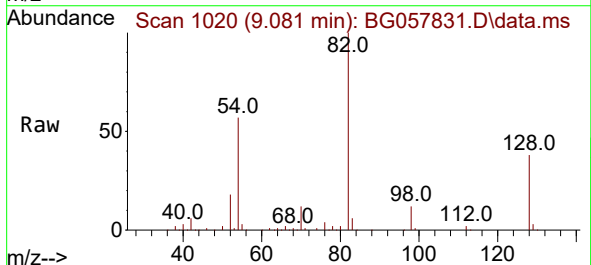
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-06

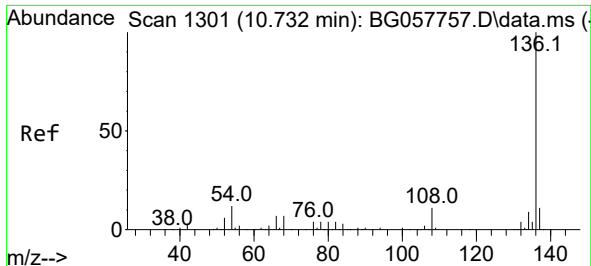
Tgt Ion: 99 Resp: 476286
Ion Ratio Lower Upper
99 100
42 17.9 16.4 24.6
71 31.5 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.767 ng
RT: 9.081 min Scan# 1020
Delta R.T. 0.347 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

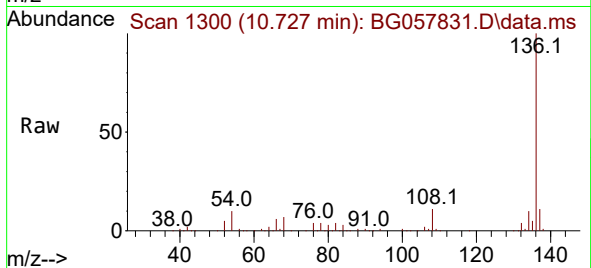
Tgt Ion: 70 Resp: 36182
Ion Ratio Lower Upper
70 100
42 49.6 54.2 81.2#
101 0.0 7.4 11.0#
130 2.1 13.4 20.0#





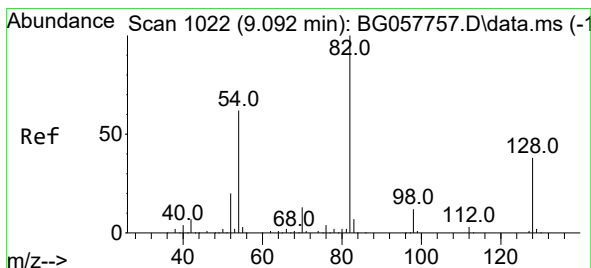
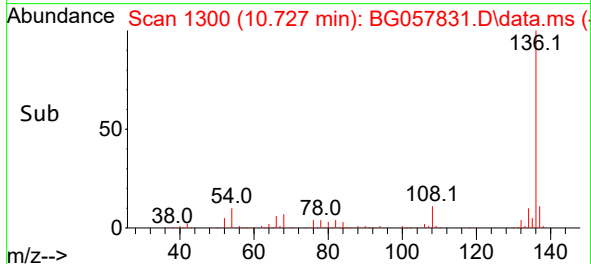
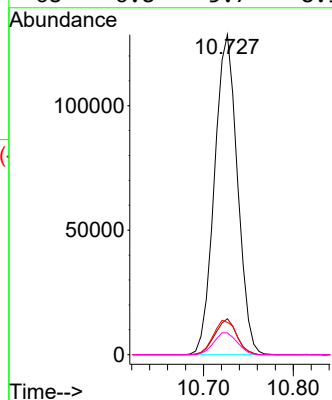
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.727 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-06



Tgt Ion: 136 Resp: 227890

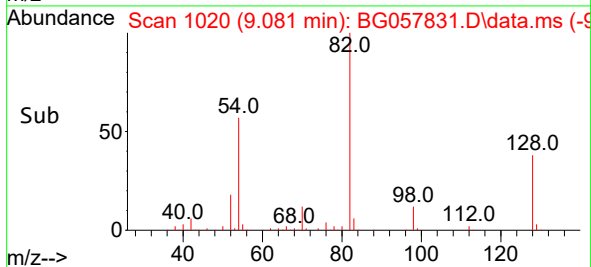
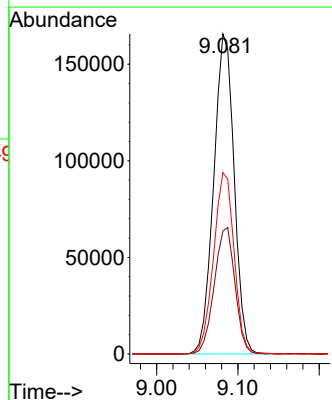
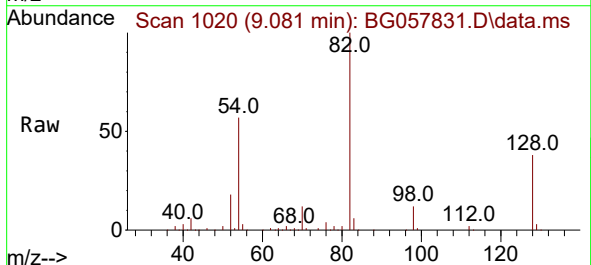
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	10.1	9.5	14.3
68	6.8	5.7	8.5

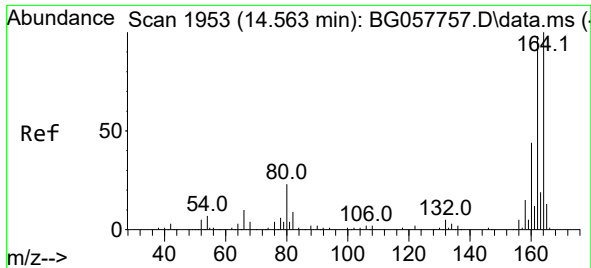


#23
Nitrobenzene-d5
Concen: 65.341 ng
RT: 9.081 min Scan# 1020
Delta R.T. -0.011 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

Tgt Ion: 82 Resp: 290132

Ion	Ratio	Lower	Upper
82	100		
128	38.4	30.7	46.1
54	56.7	49.6	74.4

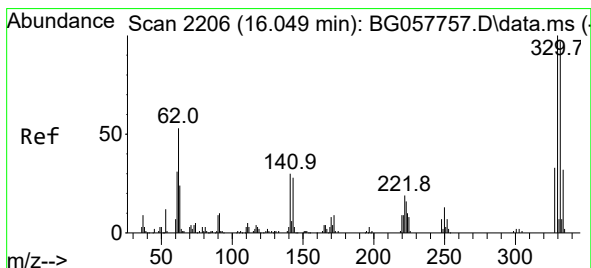
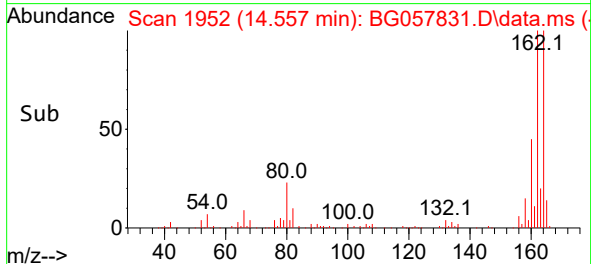
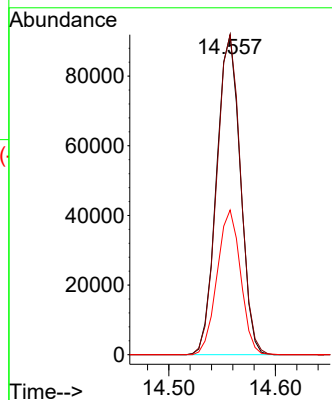
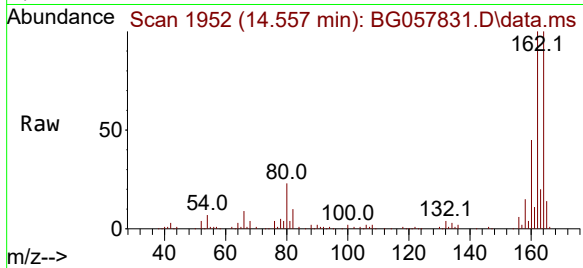




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1952
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

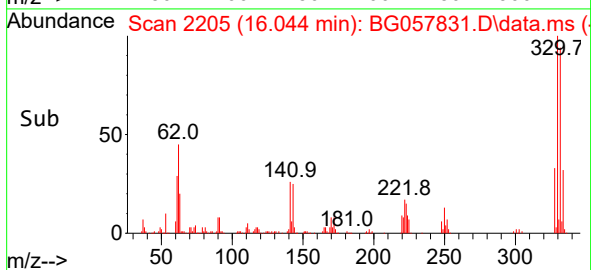
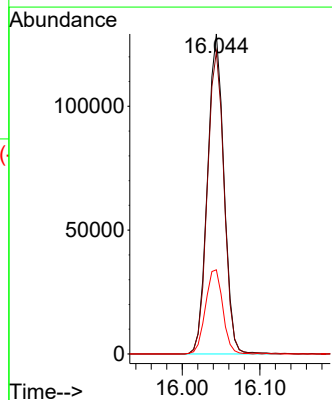
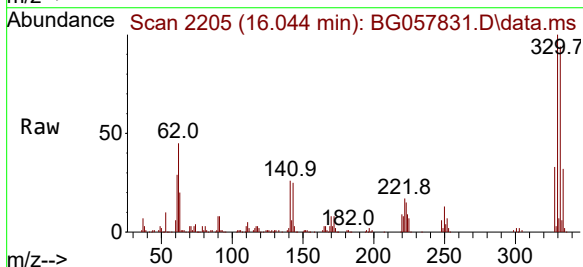
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-06

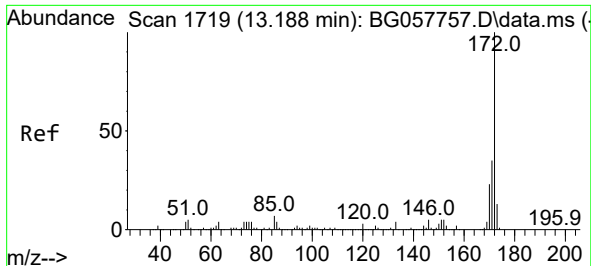
Tgt Ion:164 Resp: 141767
Ion Ratio Lower Upper
164 100
162 100.0 78.3 117.5
160 45.2 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 96.494 ng
RT: 16.044 min Scan# 2205
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

Tgt Ion:330 Resp: 190557
Ion Ratio Lower Upper
330 100
332 96.0 76.6 115.0
141 27.7 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 70.108 ng

RT: 13.183 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG057831.D

Acq: 23 Jun 2023 6:41

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TW-06

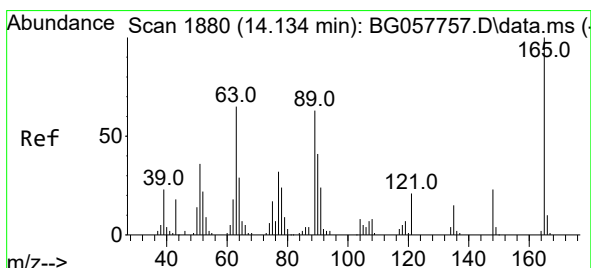
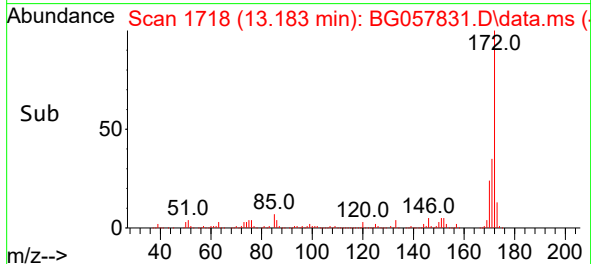
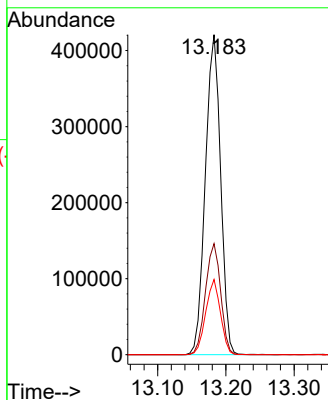
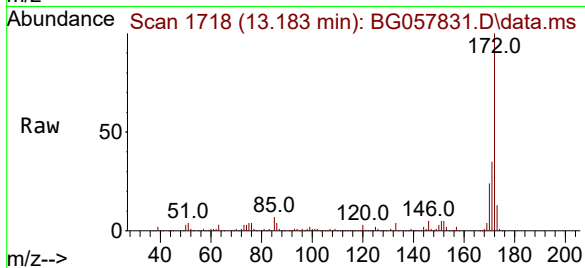
Tgt Ion:172 Resp: 655290

Ion Ratio Lower Upper

172 100

171 34.7 28.1 42.1

170 23.5 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.432 ng

RT: 14.557 min Scan# 1952

Delta R.T. 0.423 min

Lab File: BG057831.D

Acq: 23 Jun 2023 6:41

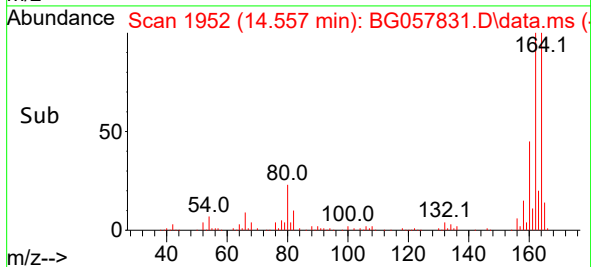
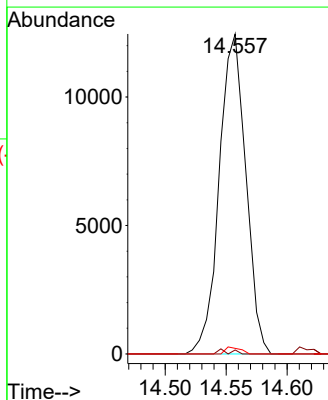
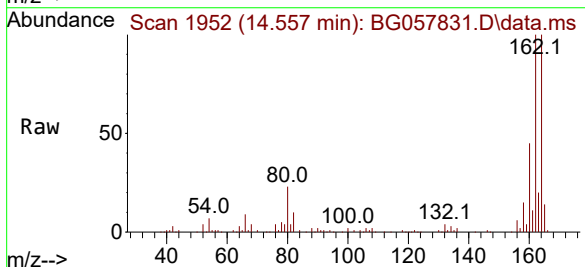
Tgt Ion:165 Resp: 18913

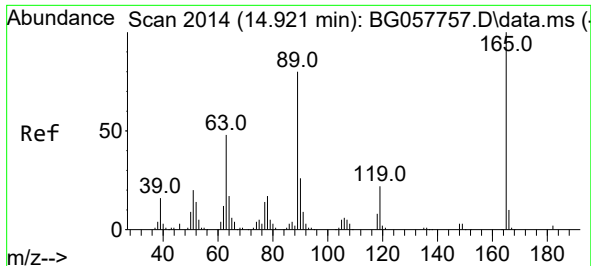
Ion Ratio Lower Upper

165 100

63 1.2 52.8 79.2#

89 1.7 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.956 ng

RT: 14.557 min Scan# 1952

Delta R.T. -0.364 min

Lab File: BG057831.D

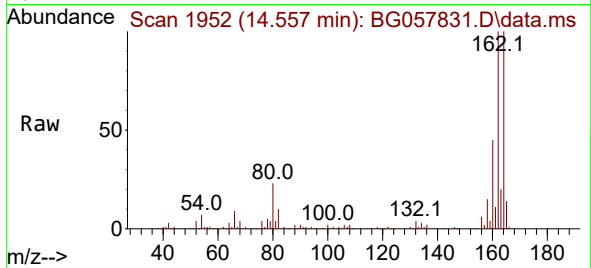
Acq: 23 Jun 2023 6:41

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TW-06



Tgt Ion:165 Resp: 18913

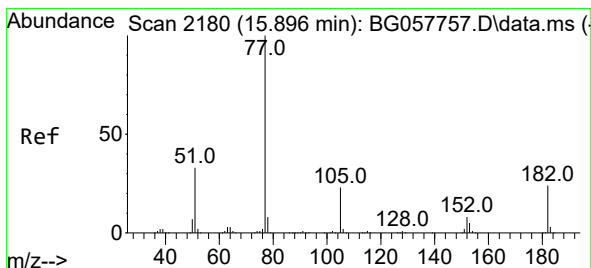
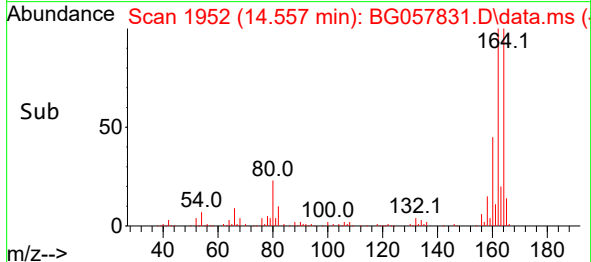
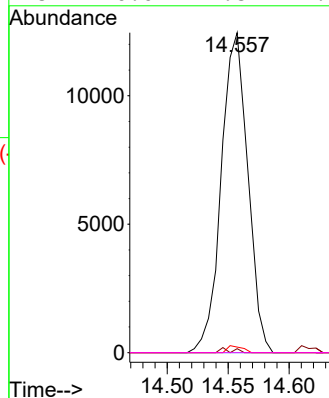
Ion Ratio Lower Upper

165 100

63 1.2 38.6 58.0#

89 1.7 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 3.600 ng

RT: 15.909 min Scan# 2182

Delta R.T. 0.012 min

Lab File: BG057831.D

Acq: 23 Jun 2023 6:41

Tgt Ion: 77 Resp: 41139

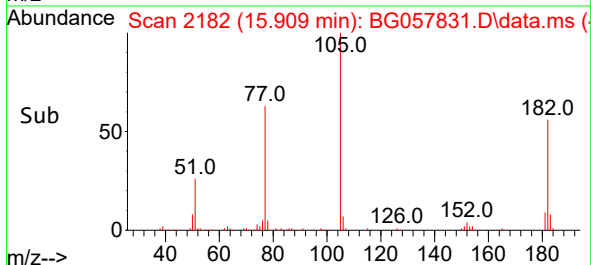
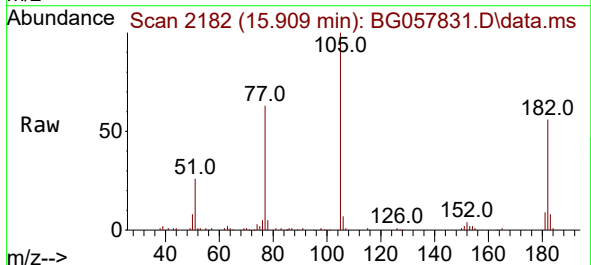
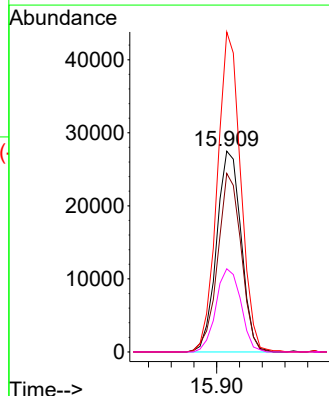
Ion Ratio Lower Upper

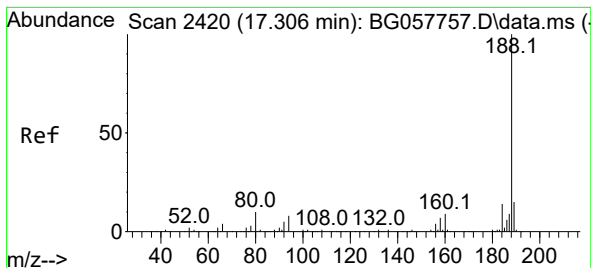
77 100

182 88.9 4.1 44.1#

105 159.4 3.3 43.3#

51 41.4 13.4 53.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.301 min Scan# 24

Delta R.T. -0.005 min

Lab File: BG057831.D

Acq: 23 Jun 2023 6:41

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TW-06

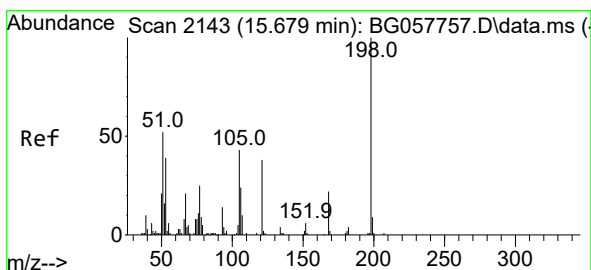
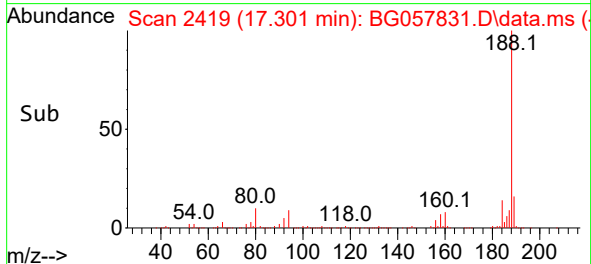
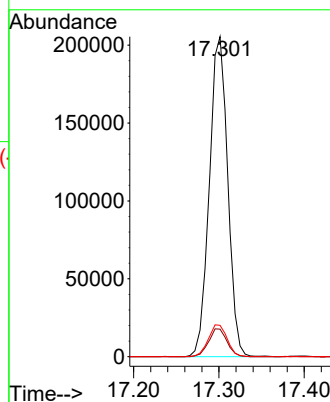
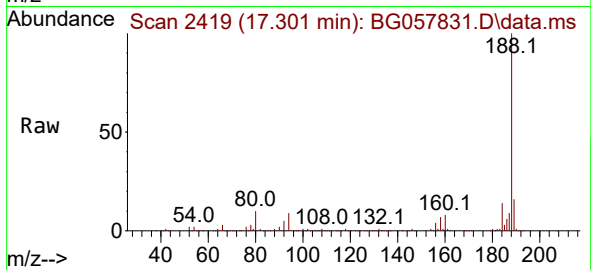
Tgt Ion:188 Resp: 307167

Ion Ratio Lower Upper

188 100

94 8.6 6.6 9.8

80 9.8 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 5.615 ng

RT: 16.044 min Scan# 2205

Delta R.T. 0.365 min

Lab File: BG057831.D

Acq: 23 Jun 2023 6:41

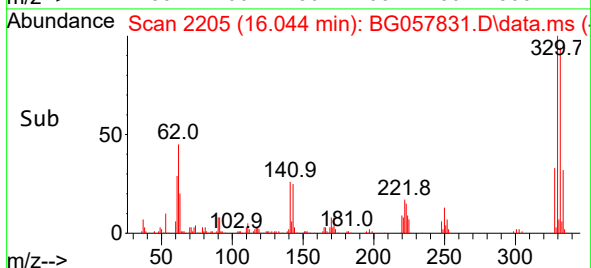
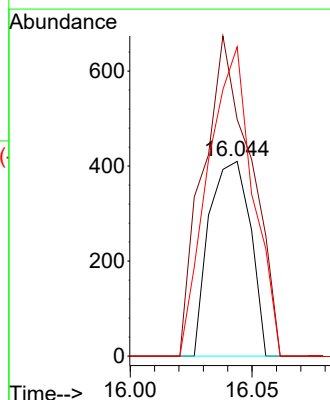
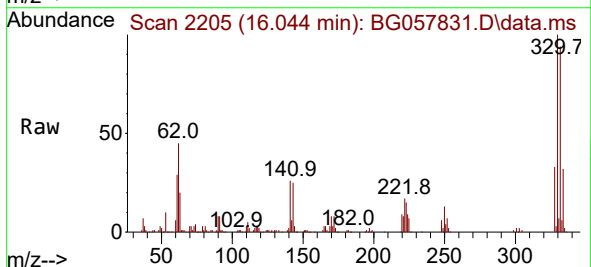
Tgt Ion:198 Resp: 482

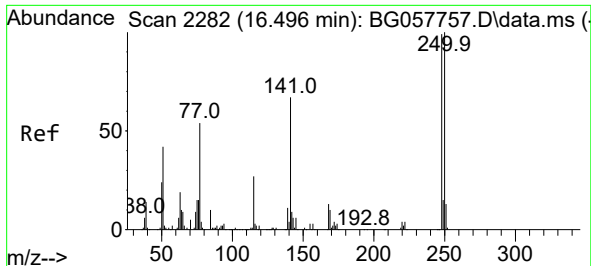
Ion Ratio Lower Upper

198 100

51 121.5 36.6 76.6#

105 158.8 24.3 64.3#

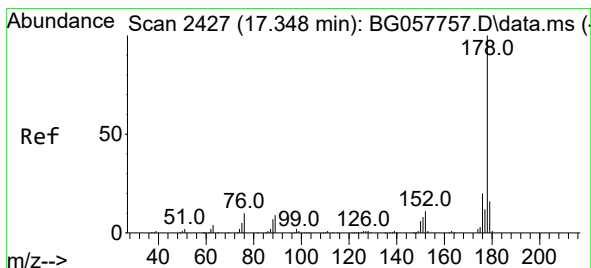
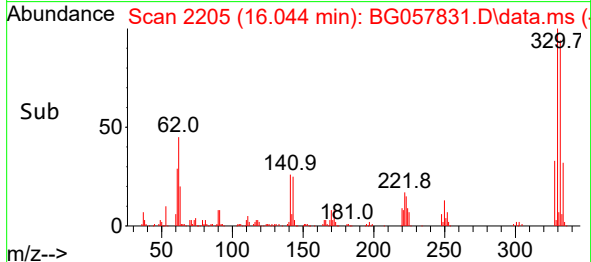
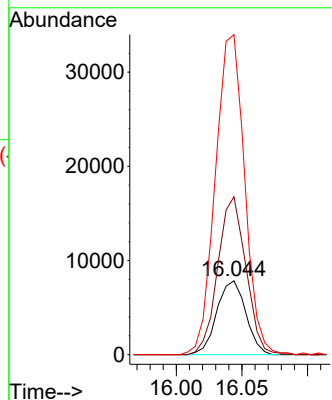
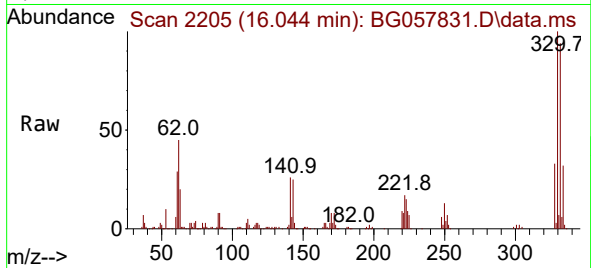




#67
4-Bromophenyl-phenylether
Concen: 3.705 ng
RT: 16.044 min Scan# 21
Delta R.T. -0.452 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

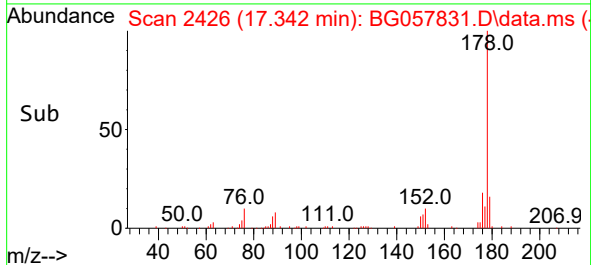
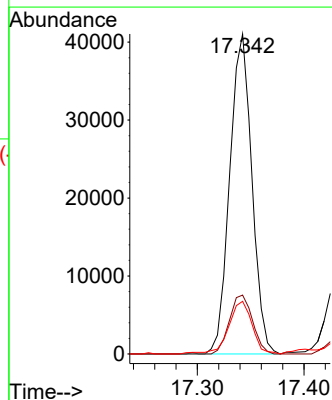
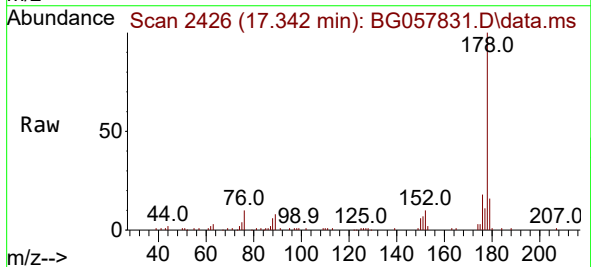
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-06

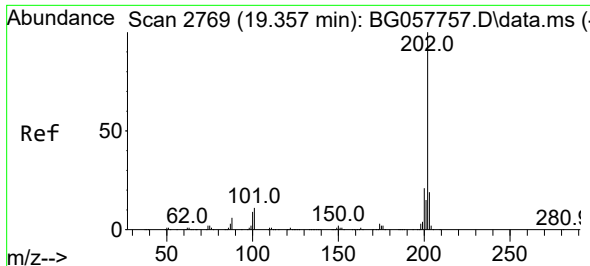
Tgt Ion:248 Resp: 12068
Ion Ratio Lower Upper
248 100
250 213.6 81.1 121.7#
141 433.0 54.6 81.8#



#71
Phenanthrene
Concen: 3.988 ng
RT: 17.342 min Scan# 2426
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

Tgt Ion:178 Resp: 59306
Ion Ratio Lower Upper
178 100
176 18.4 16.3 24.5
179 16.4 13.0 19.6

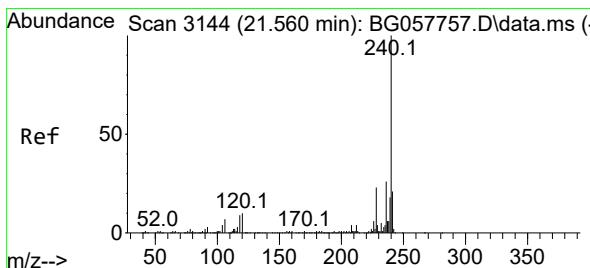
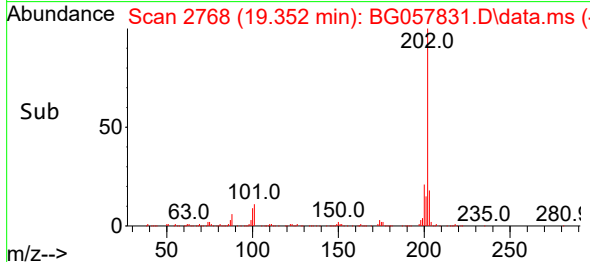
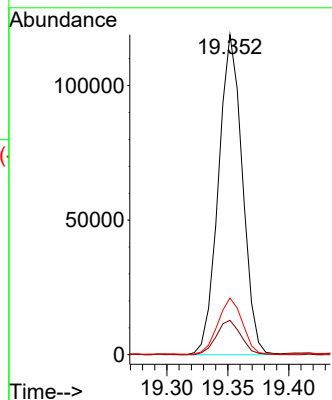
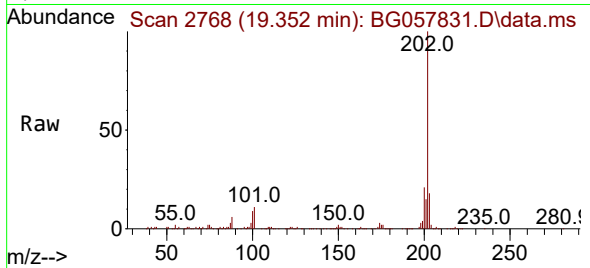




#75
Fluoranthene
Concen: 9.187 ng
RT: 19.352 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

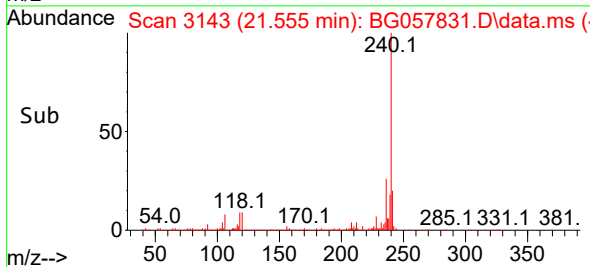
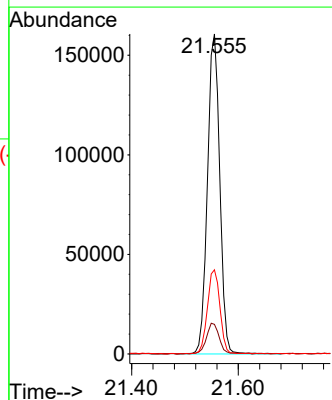
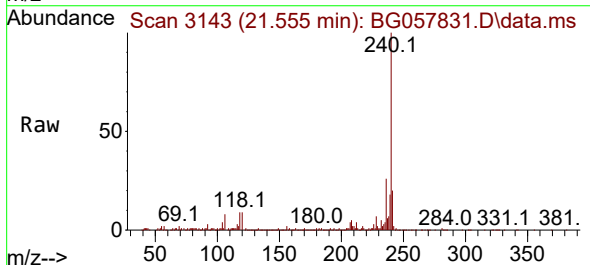
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-06

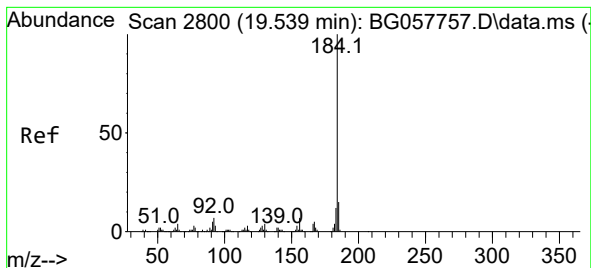
Tgt Ion:202 Resp: 162780
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.3
203 17.7 0.0 38.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.555 min Scan# 3143
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

Tgt Ion:240 Resp: 258081
Ion Ratio Lower Upper
240 100
120 9.3 8.1 12.1
236 26.3 20.6 30.8





#77

Benzidine

Concen: 2.066 ng

RT: 19.916 min Scan# 2864

Delta R.T. 0.377 min

Lab File: BG057831.D

Acq: 23 Jun 2023 6:41

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TW-06

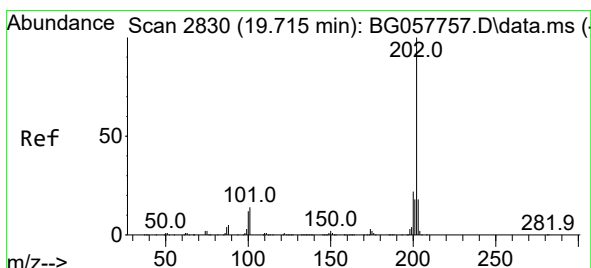
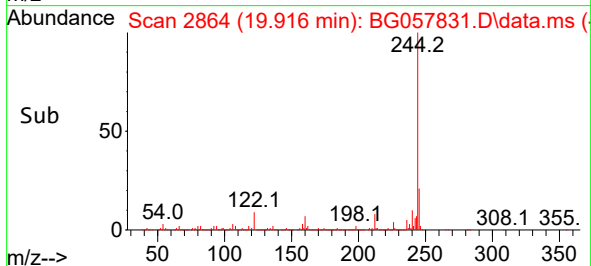
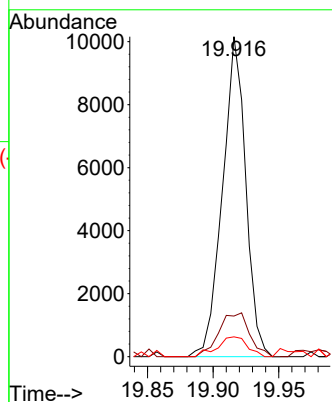
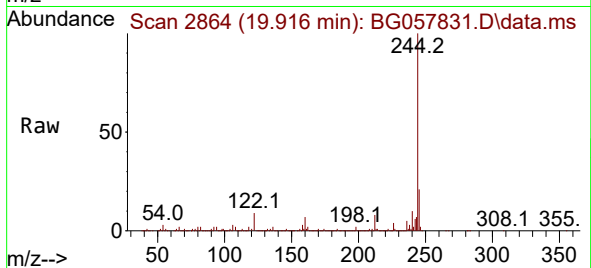
Tgt Ion:184 Resp: 12501

Ion Ratio Lower Upper

184 100

185 12.7 12.0 18.0

183 6.2 9.4 14.0#



#78

Pyrene

Concen: 8.421 ng

RT: 19.716 min Scan# 2830

Delta R.T. 0.001 min

Lab File: BG057831.D

Acq: 23 Jun 2023 6:41

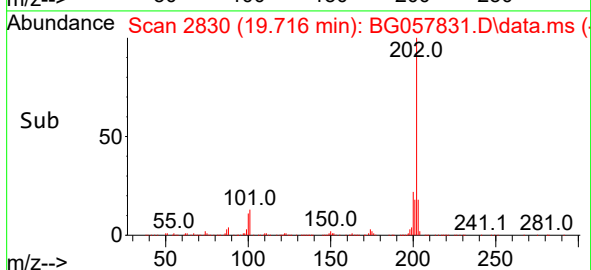
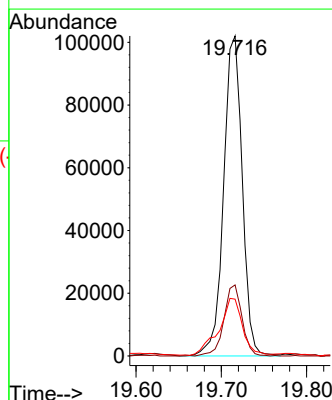
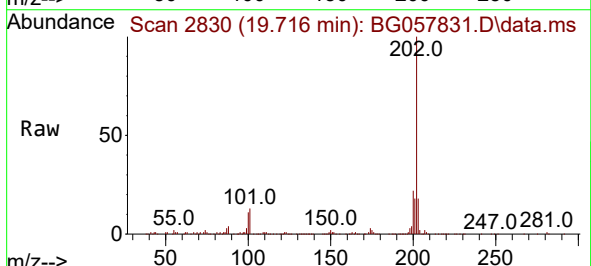
Tgt Ion:202 Resp: 155041

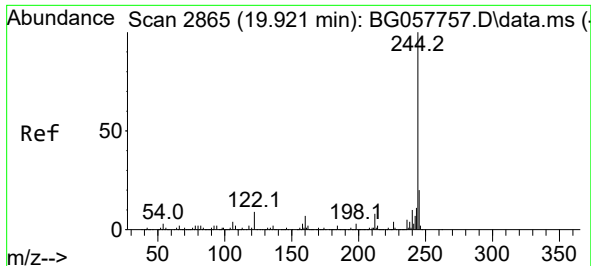
Ion Ratio Lower Upper

202 100

200 22.2 17.4 26.0

203 17.8 14.6 22.0

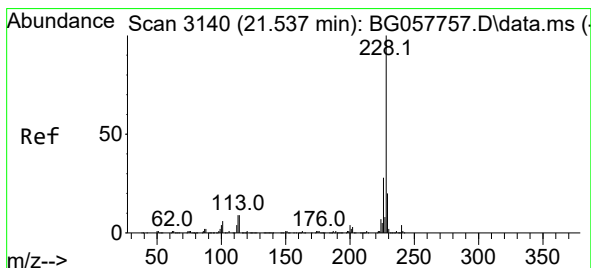
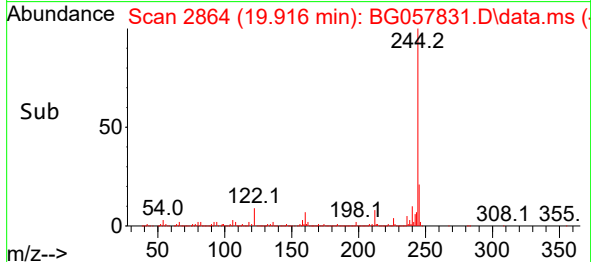
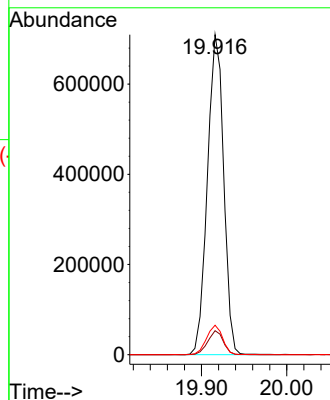
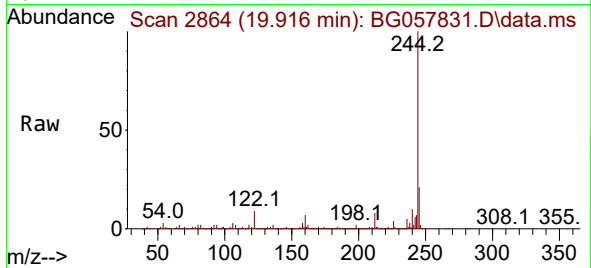




#79
 Terphenyl-d14
 Concen: 67.962 ng
 RT: 19.916 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG057831.D
 Acq: 23 Jun 2023 6:41

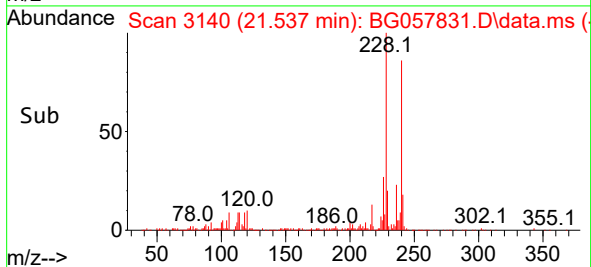
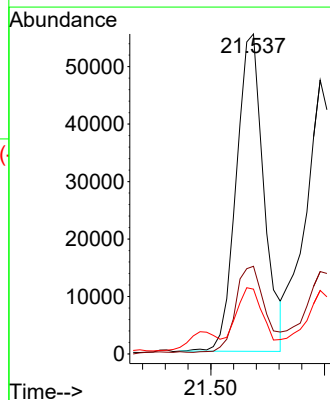
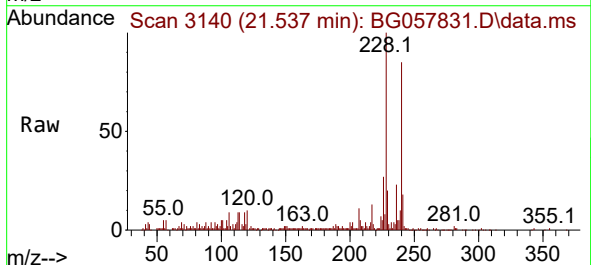
Instrument :
 BNA_G
 ClientSampleId :
 COMPOSIT-TW-06

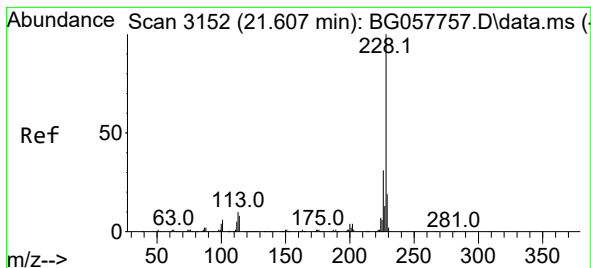
Tgt Ion:244 Resp: 940631
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 9.2 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 5.251 ng
 RT: 21.537 min Scan# 3140
 Delta R.T. 0.001 min
 Lab File: BG057831.D
 Acq: 23 Jun 2023 6:41

Tgt Ion:228 Resp: 92974
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.3 33.5
 229 20.2 16.3 24.5





#83

Chrysene

Concen: 5.092 ng

RT: 21.596 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG057831.D

Acq: 23 Jun 2023 6:41

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TW-06

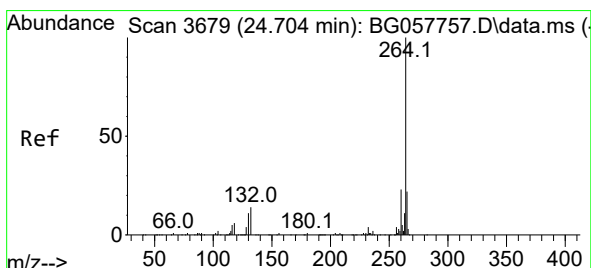
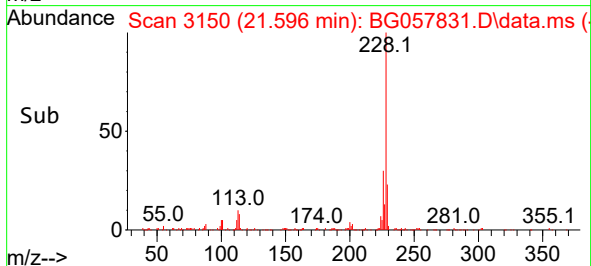
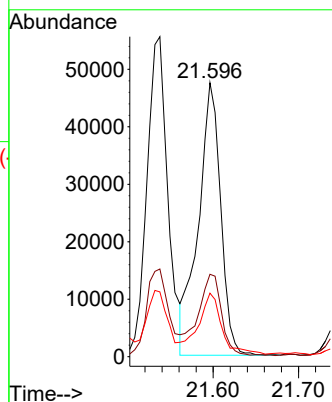
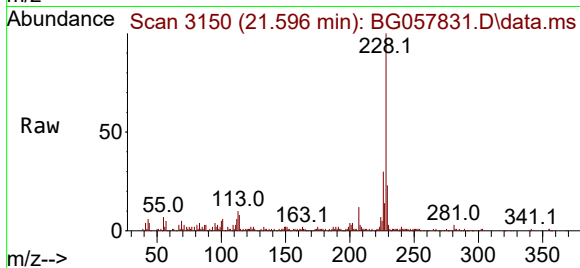
Tgt Ion:228 Resp: 86525

Ion Ratio Lower Upper

228 100

226 30.1 24.8 37.2

229 23.2 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.704 min Scan# 3679

Delta R.T. 0.001 min

Lab File: BG057831.D

Acq: 23 Jun 2023 6:41

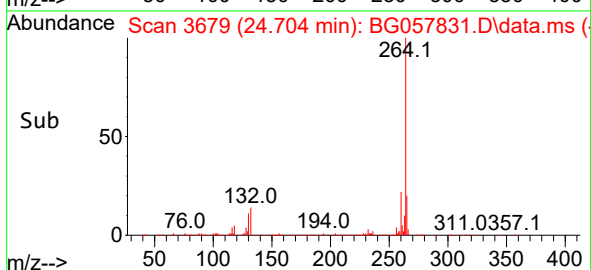
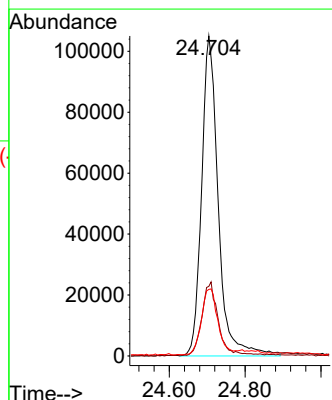
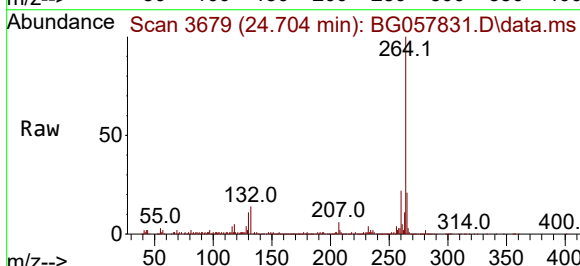
Tgt Ion:264 Resp: 320387

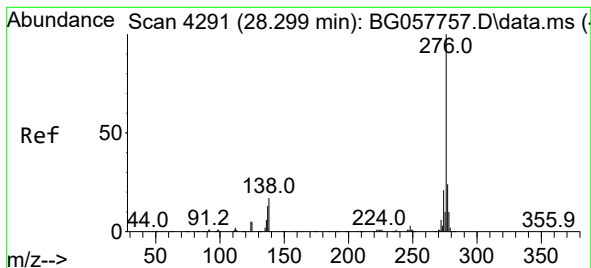
Ion Ratio Lower Upper

264 100

260 21.7 18.5 27.7

265 20.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.403 ng

RT: 28.288 min Scan# 4291

Delta R.T. -0.011 min

Lab File: BG057831.D

Acq: 23 Jun 2023 6:41

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TW-06

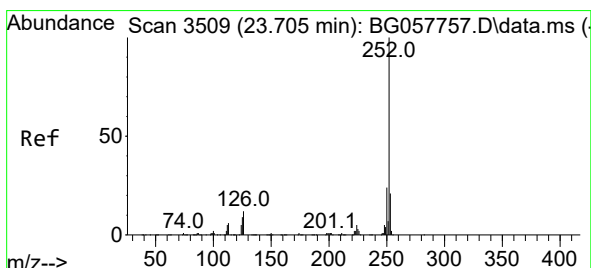
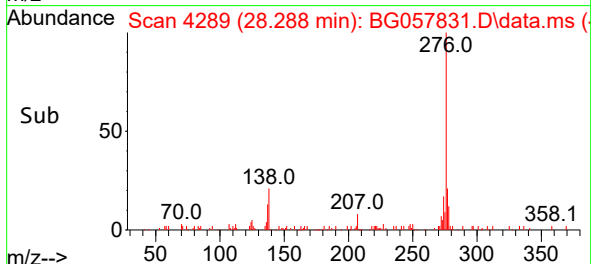
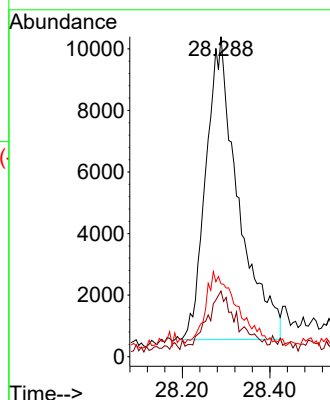
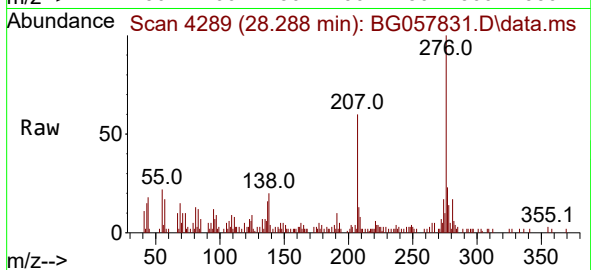
Tgt Ion:276 Resp: 50340

Ion Ratio Lower Upper

276 100

138 12.7 11.3 16.9

277 21.3 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 7.690 ng

RT: 23.706 min Scan# 3509

Delta R.T. 0.001 min

Lab File: BG057831.D

Acq: 23 Jun 2023 6:41

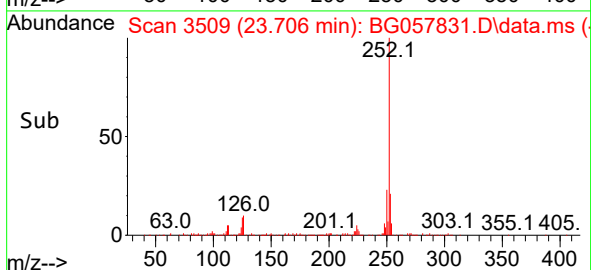
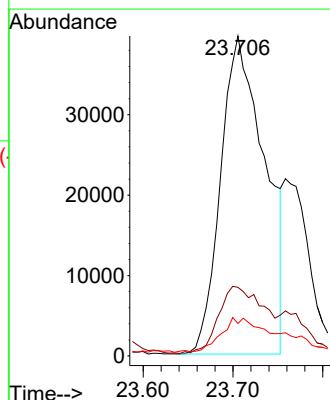
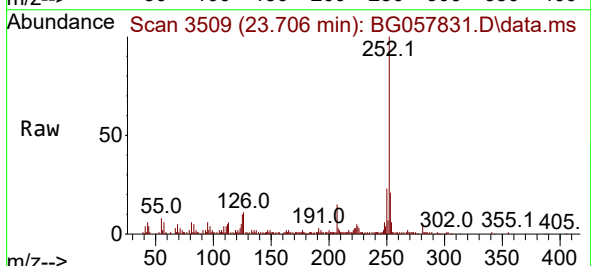
Tgt Ion:252 Resp: 135019

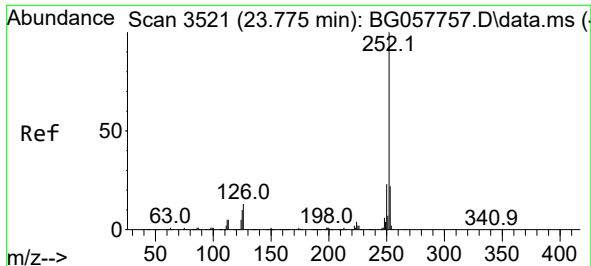
Ion Ratio Lower Upper

252 100

253 21.5 17.1 25.7

125 10.2 7.4 11.0

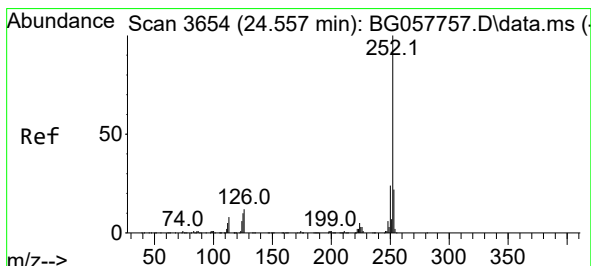
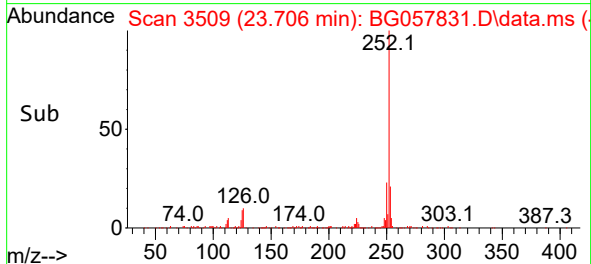
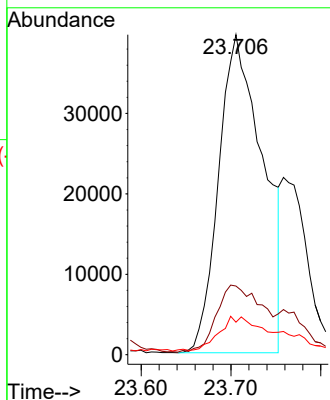
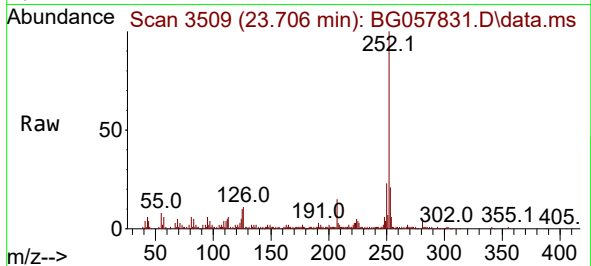




#89
Benzo(k)fluoranthene
Concen: 7.551 ng
RT: 23.706 min Scan# 3509
Delta R.T. -0.070 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

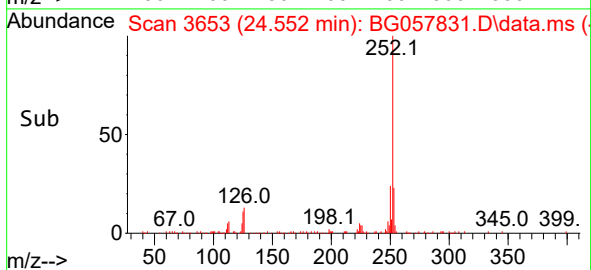
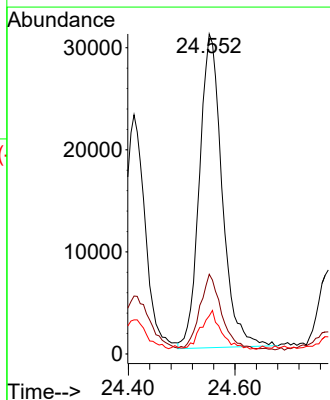
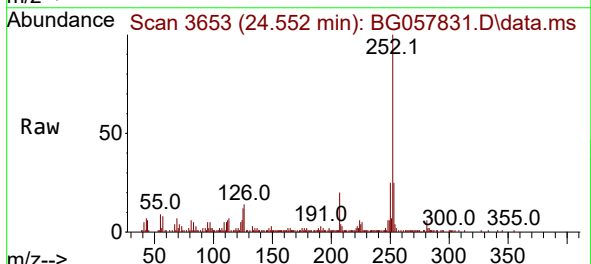
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-06

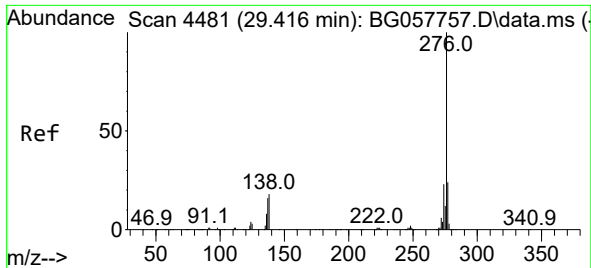
Tgt Ion:252 Resp: 135019
Ion Ratio Lower Upper
252 100
253 21.5 18.0 27.0
125 10.2 7.6 11.4



#90
Benzo(a)pyrene
Concen: 5.257 ng
RT: 24.552 min Scan# 3653
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

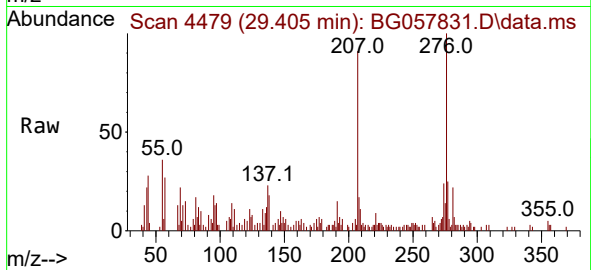
Tgt Ion:252 Resp: 90639
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.2
125 11.9 8.0 12.0





#92
 Benzo(g,h,i)perylene
 Concen: 2.756 ng
 RT: 29.405 min Scan# 44
 Delta R.T. -0.011 min
 Lab File: BG057831.D
 Acq: 23 Jun 2023 6:41

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSIT-TW-06



Tgt Ion:	276	Resp:	47970
Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.4	29.0
138	18.4	14.2	21.4

