

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062323\
 Data File : BG057857.D
 Acq On : 24 Jun 2023 1:33
 Operator : CG/JU
 Sample : 03333-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DOMINICK-SP

Quant Time: Jun 25 01:41:13 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)

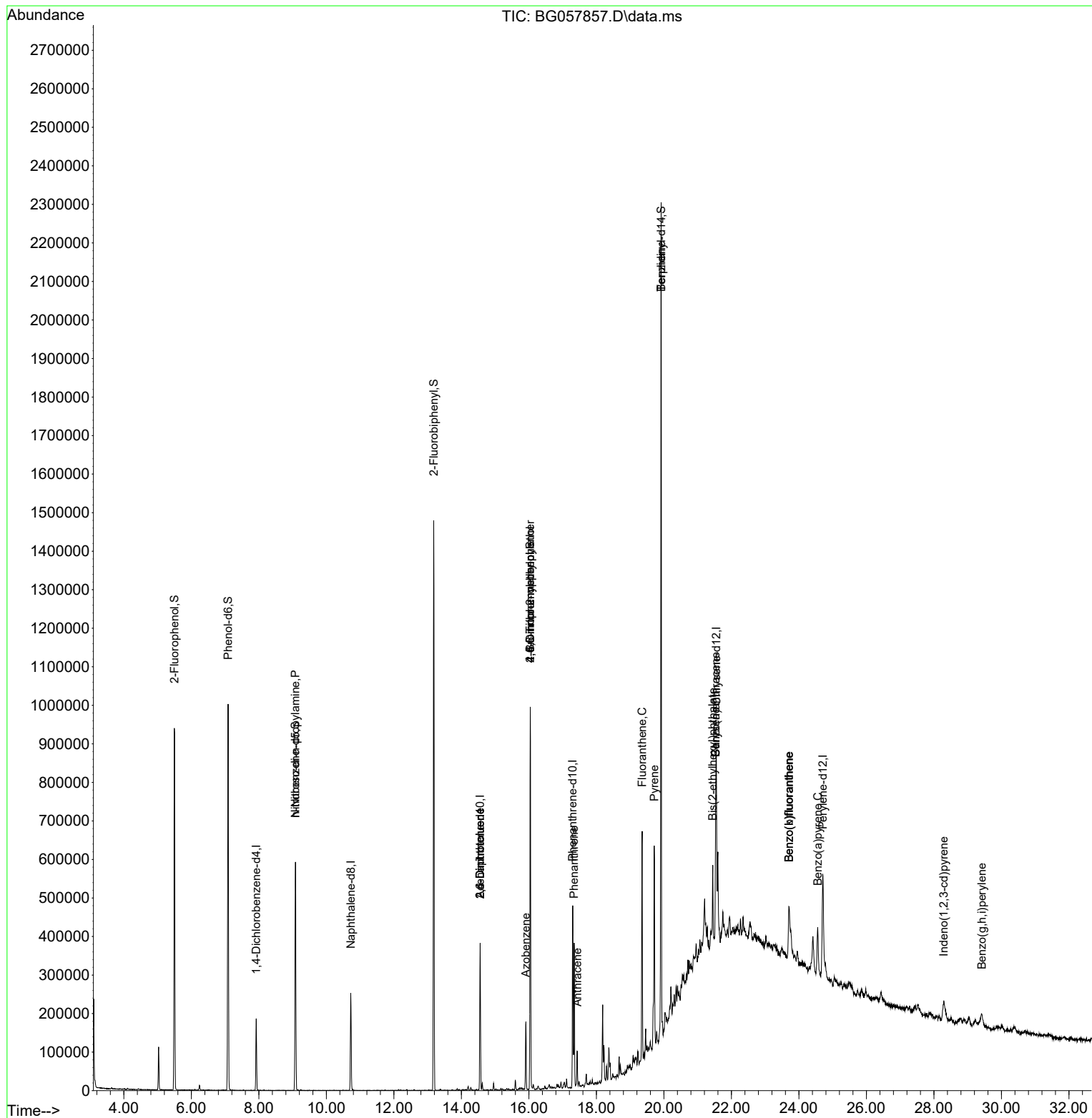
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.921	152	50308	20.000	ng	0.00
21) Naphthalene-d8	10.724	136	207865	20.000	ng	0.00
39) Acenaphthene-d10	14.554	164	135833	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	294916	20.000	ng	0.00
76) Chrysene-d12	21.552	240	240855	20.000	ng	0.00
86) Perylene-d12	24.707	264	299990	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.494	112	400576	122.774	ng	0.00
7) Phenol-d6	7.087	99	583016	117.109	ng	0.00
23) Nitrobenzene-d5	9.084	82	356765	88.088	ng	0.00
42) 2,4,6-Tribromophenol	16.041	330	212513	112.313	ng	0.00
45) 2-Fluorobiphenyl	13.180	172	779833	87.078	ng	0.00
79) Terphenyl-d14	19.919	244	1114132	86.255	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.084	70	44759	12.896	ng	# 74
51) 2,6-Dinitrotoluene	14.554	165	17304	9.007	ng	# 19
57) 2,4-Dinitrotoluene	14.554	165	17304	6.642	ng	# 19
63) Azobenzene	15.912	77	49911	4.559	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.041	198	410	5.581	ng	# 1
67) 4-Bromophenyl-phenylether	16.041	248	13438	4.296	ng	# 1
71) Phenanthrene	17.339	178	236245	16.545	ng	98
72) Anthracene	17.433	178	60025	4.117	ng	97
75) Fluoranthene	19.355	202	364162	21.408	ng	99
77) Benzidine	19.919	184	15276	2.706	ng	# 93
78) Pyrene	19.713	202	330362	19.228	ng	99
81) Benzo(a)anthracene	21.535	228	171297	10.366	ng	98
83) Chrysene	21.535	228	171297	10.801	ng	94
84) Bis(2-ethylhexyl)phtha...	21.446	149	70029	7.380	ng	100
87) Indeno(1,2,3-cd)pyrene	28.291	276	83064	4.235	ng	98
88) Benzo(b)fluoranthene	23.708	252	179104	10.895	ng	# 90
89) Benzo(k)fluoranthene	23.708	252	179104	10.697	ng	# 92
90) Benzo(a)pyrene	24.560	252	141926	8.791	ng	# 96
92) Benzo(g,h,i)perylene	29.419	276	78013	4.788	ng	# 91

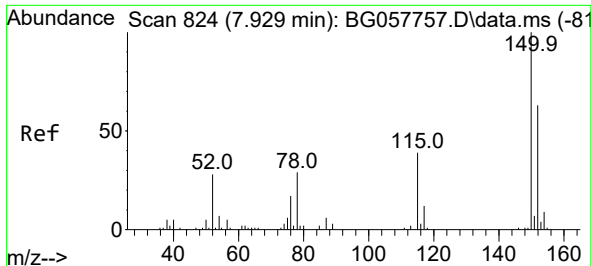
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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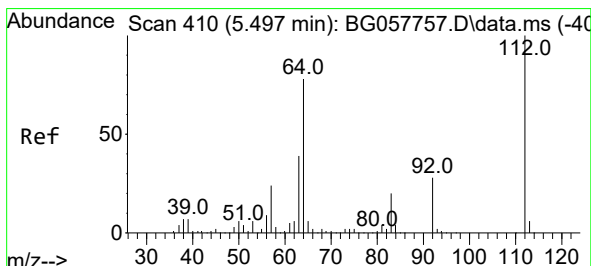
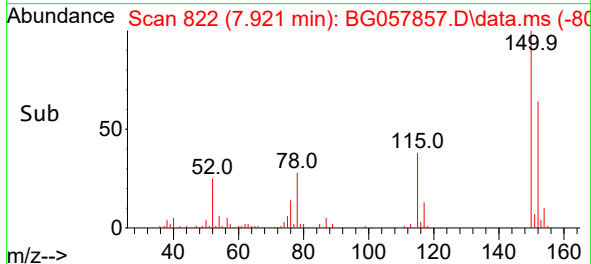
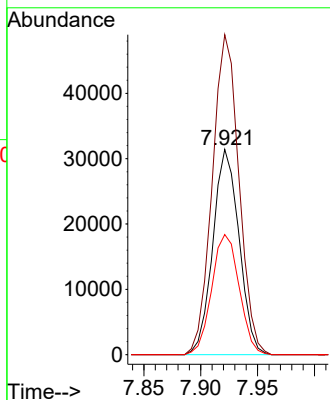
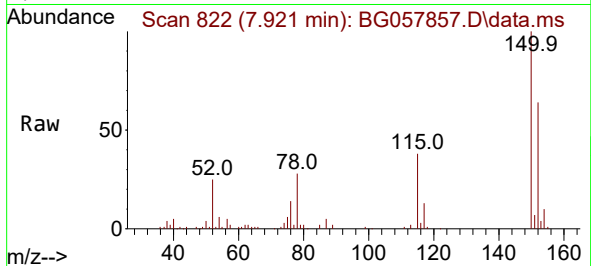




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.921 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG057857.D
Acq: 24 Jun 2023 1:33

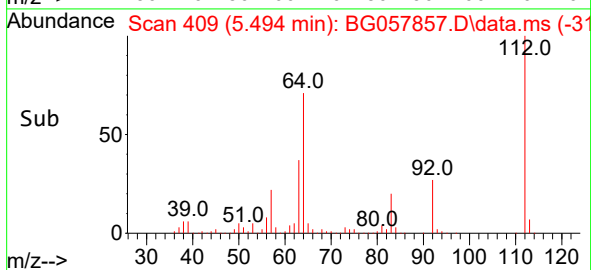
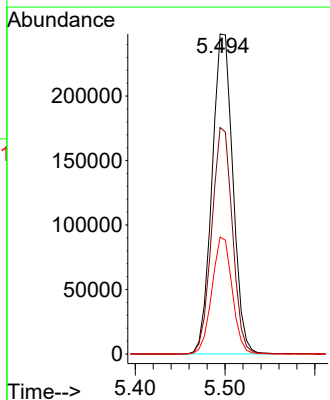
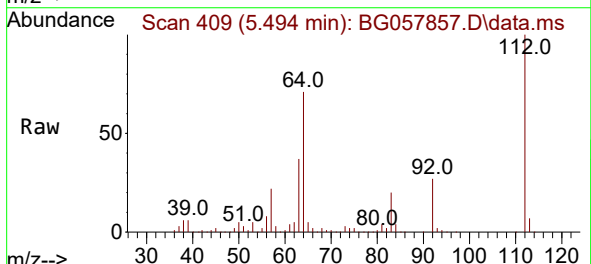
Instrument :
BNA_G
ClientSampleId :
DOMINICK-SP

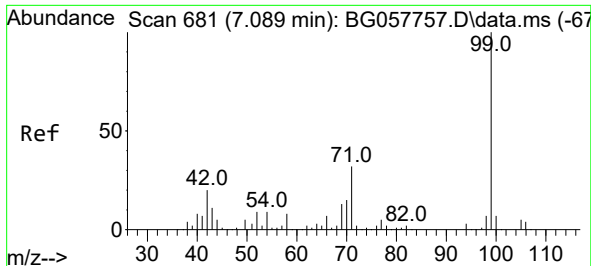
Tgt Ion:152 Resp: 50308
Ion Ratio Lower Upper
152 100
150 155.9 126.6 189.8
115 58.5 48.9 73.3



#5
2-Fluorophenol
Concen: 122.774 ng
RT: 5.494 min Scan# 409
Delta R.T. -0.003 min
Lab File: BG057857.D
Acq: 24 Jun 2023 1:33

Tgt Ion:112 Resp: 400576
Ion Ratio Lower Upper
112 100
64 70.8 62.1 93.1
63 36.5 31.5 47.3

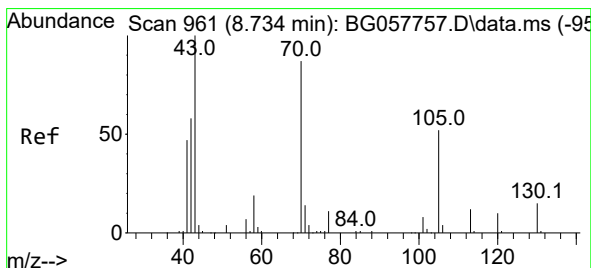
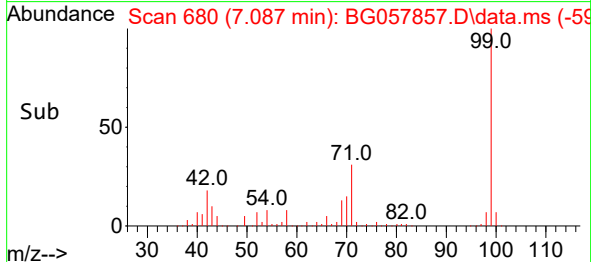
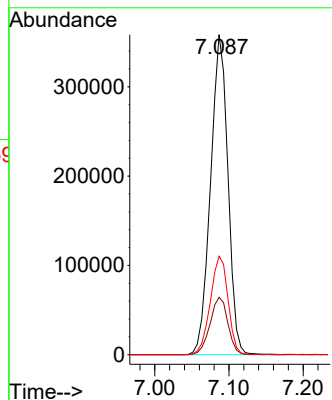
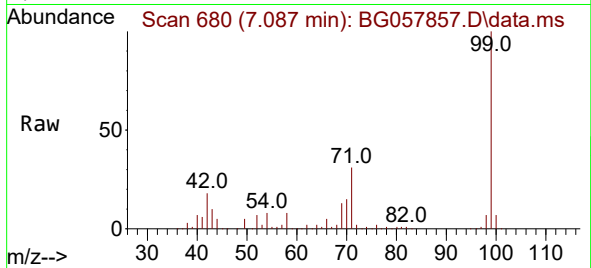




#7
Phenol-d6
Concen: 117.109 ng
RT: 7.087 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057857.D
Acq: 24 Jun 2023 1:33

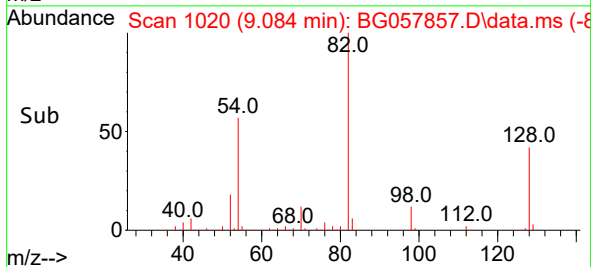
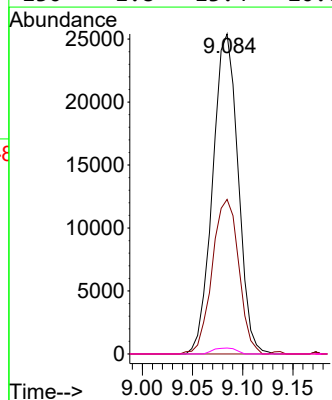
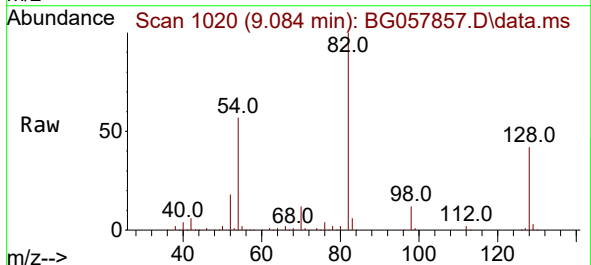
Instrument :
BNA_G
ClientSampleId :
DOMINICK-SP

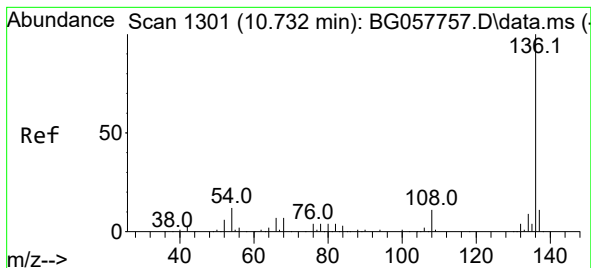
Tgt Ion: 99 Resp: 583016
Ion Ratio Lower Upper
99 100
42 18.0 16.4 24.6
71 30.8 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.896 ng
RT: 9.084 min Scan# 1020
Delta R.T. 0.350 min
Lab File: BG057857.D
Acq: 24 Jun 2023 1:33

Tgt Ion: 70 Resp: 44759
Ion Ratio Lower Upper
70 100
42 48.3 54.2 81.2#
101 0.0 7.4 11.0#
130 1.8 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.724 min Scan# 11

Delta R.T. -0.008 min

Lab File: BG057857.D

Acq: 24 Jun 2023 1:33

Instrument :

BNA_G

ClientSampleId :

DOMINICK-SP

Tgt Ion:136 Resp: 207865

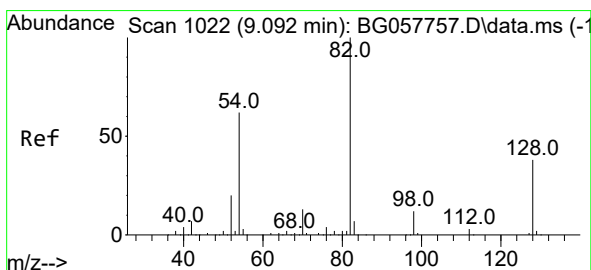
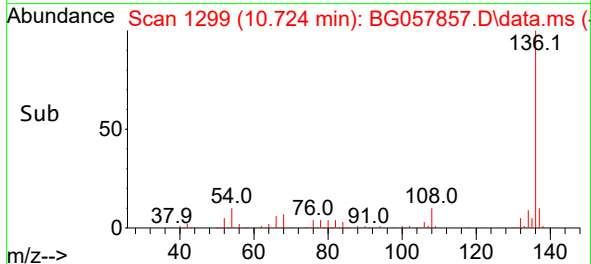
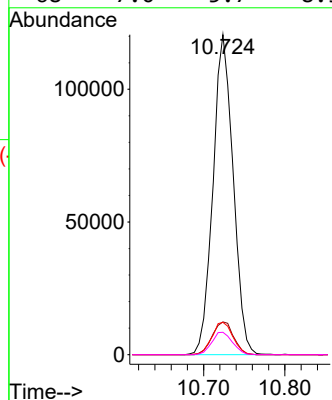
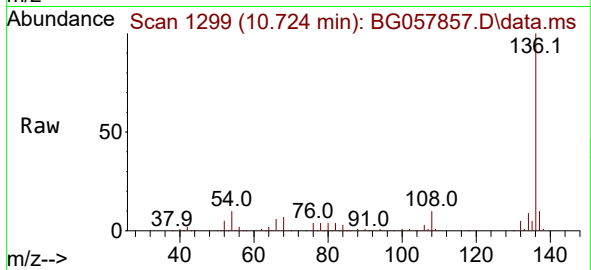
Ion Ratio Lower Upper

136 100

137 10.2 8.5 12.7

54 10.1 9.5 14.3

68 7.0 5.7 8.5



#23

Nitrobenzene-d5

Concen: 88.088 ng

RT: 9.084 min Scan# 1020

Delta R.T. -0.008 min

Lab File: BG057857.D

Acq: 24 Jun 2023 1:33

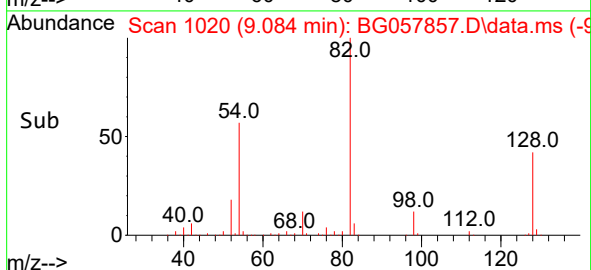
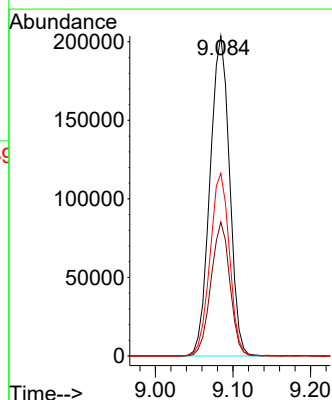
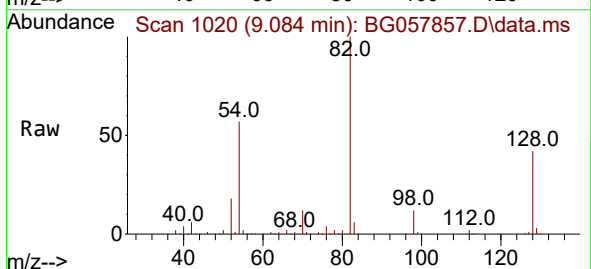
Tgt Ion: 82 Resp: 356765

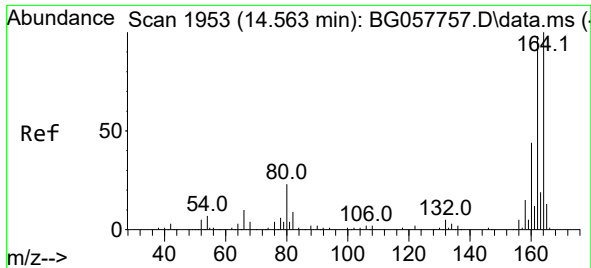
Ion Ratio Lower Upper

82 100

128 41.8 30.7 46.1

54 57.1 49.6 74.4

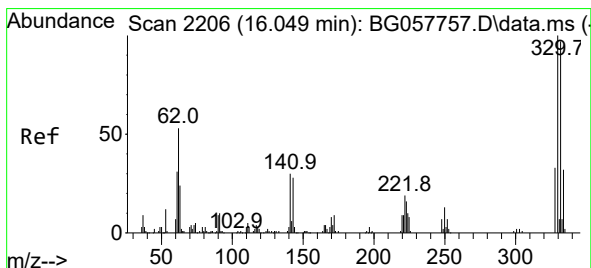
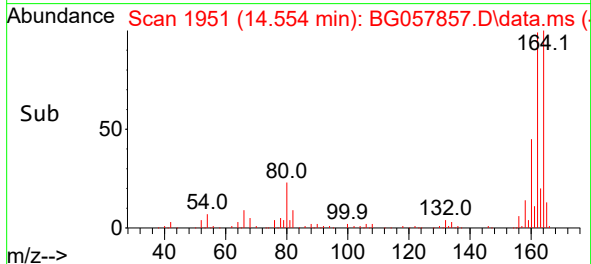
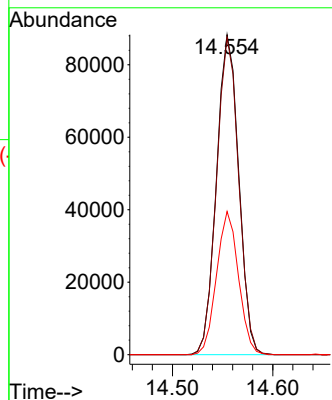
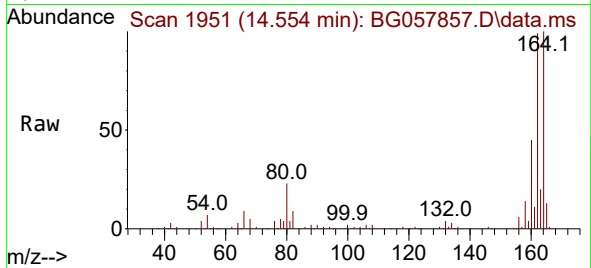




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.554 min Scan# 1951
Delta R.T. -0.008 min
Lab File: BG057857.D
Acq: 24 Jun 2023 1:33

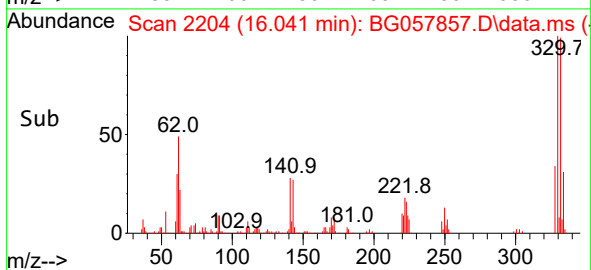
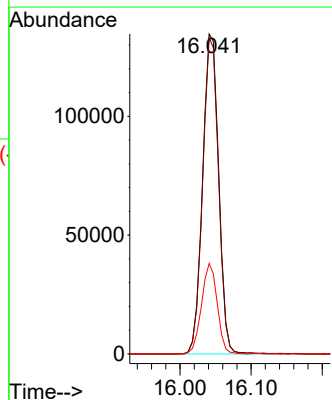
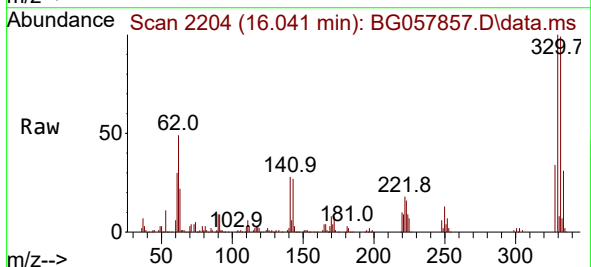
Instrument :
BNA_G
ClientSampleId :
DOMINICK-SP

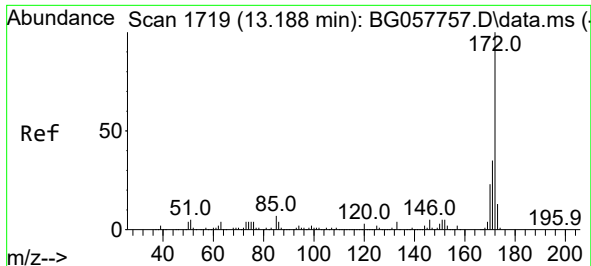
Tgt Ion:164 Resp: 135833
Ion Ratio Lower Upper
164 100
162 99.2 78.3 117.5
160 44.8 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 112.313 ng
RT: 16.041 min Scan# 2204
Delta R.T. -0.008 min
Lab File: BG057857.D
Acq: 24 Jun 2023 1:33

Tgt Ion:330 Resp: 212513
Ion Ratio Lower Upper
330 100
332 97.4 76.6 115.0
141 27.6 24.7 37.1

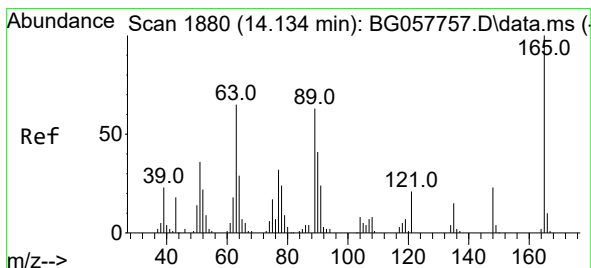
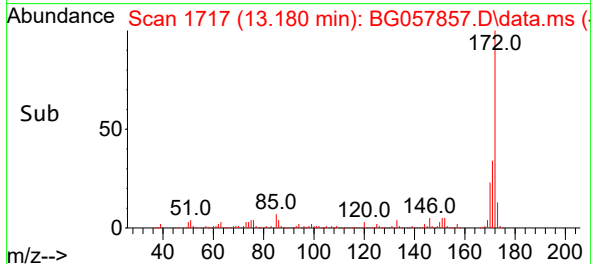
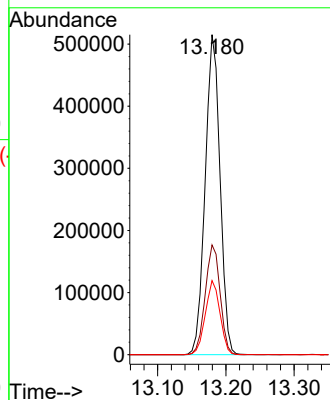
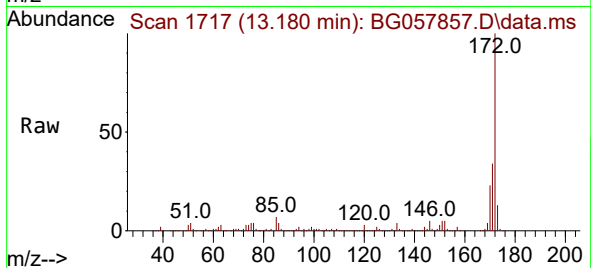




#45
2-Fluorobiphenyl
Concen: 87.078 ng
RT: 13.180 min Scan# 1719
Delta R.T. -0.008 min
Lab File: BG057857.D
Acq: 24 Jun 2023 1:33

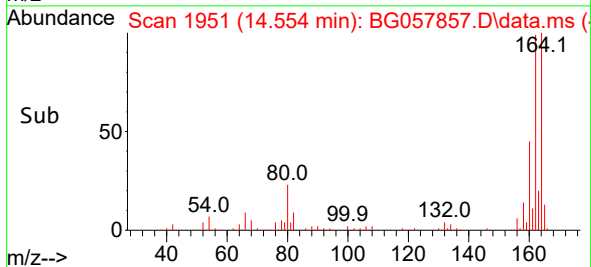
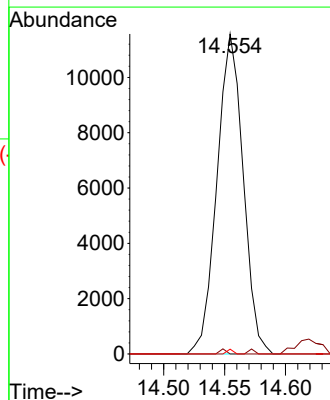
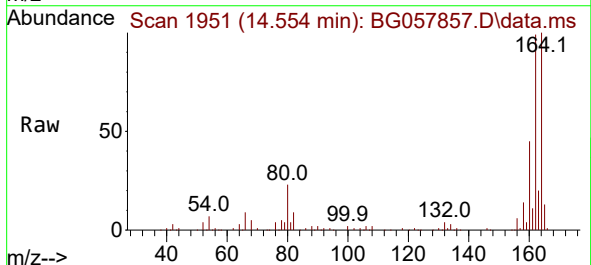
Instrument :
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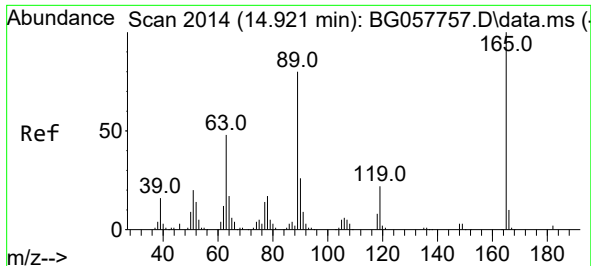
Tgt Ion:172 Resp: 779833
Ion Ratio Lower Upper
172 100
171 34.3 28.1 42.1
170 23.2 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.007 ng
RT: 14.554 min Scan# 1951
Delta R.T. 0.420 min
Lab File: BG057857.D
Acq: 24 Jun 2023 1:33

Tgt Ion:165 Resp: 17304
Ion Ratio Lower Upper
165 100
63 0.0 52.8 79.2#
89 1.5 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.642 ng

RT: 14.554 min Scan# 1951

Delta R.T. -0.367 min

Lab File: BG057857.D

Acq: 24 Jun 2023 1:33

Instrument :

BNA_G

ClientSampleId :

DOMINICK-SP

Tgt Ion:165 Resp: 17304

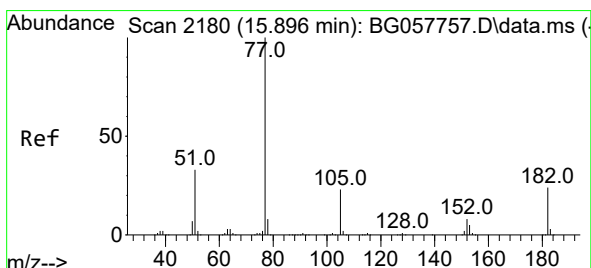
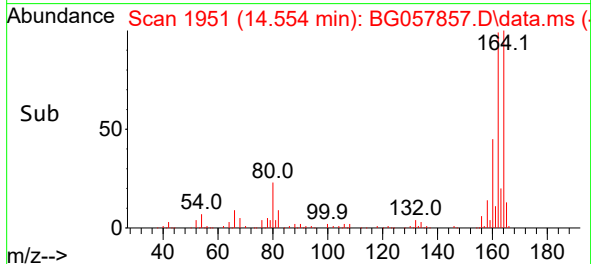
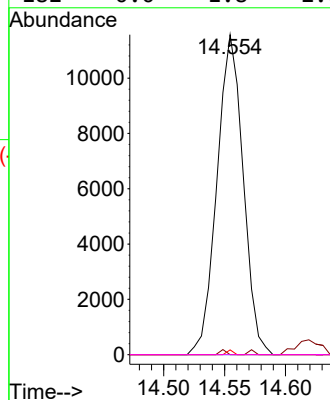
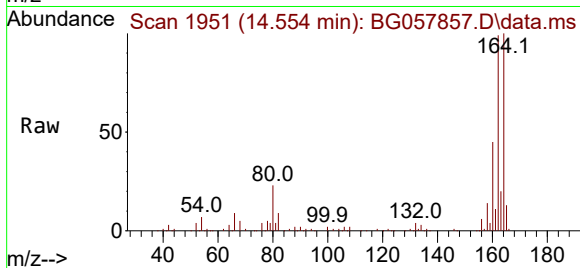
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 1.5 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 4.559 ng

RT: 15.912 min Scan# 2182

Delta R.T. 0.015 min

Lab File: BG057857.D

Acq: 24 Jun 2023 1:33

Tgt Ion: 77 Resp: 49911

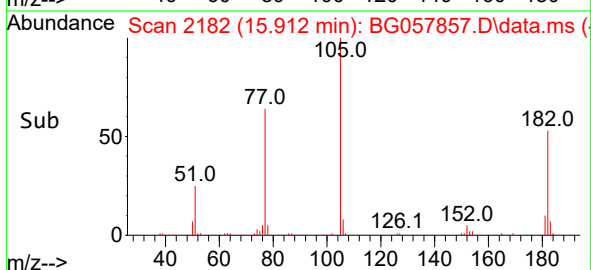
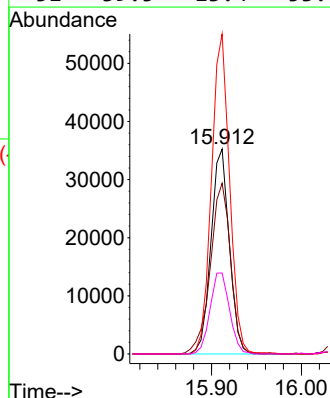
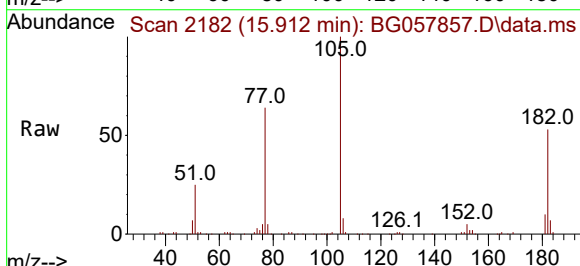
Ion Ratio Lower Upper

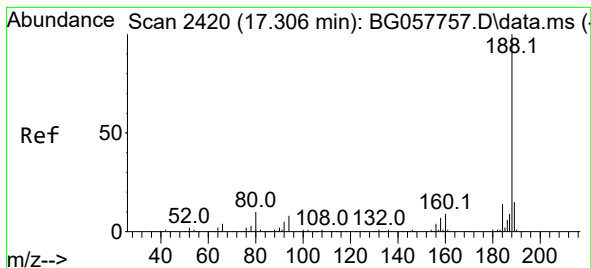
77 100

182 83.3 4.1 44.1#

105 156.2 3.3 43.3#

51 39.5 13.4 53.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 24

Delta R.T. -0.008 min

Lab File: BG057857.D

Acq: 24 Jun 2023 1:33

Instrument :

BNA_G

ClientSampleId :

DOMINICK-SP

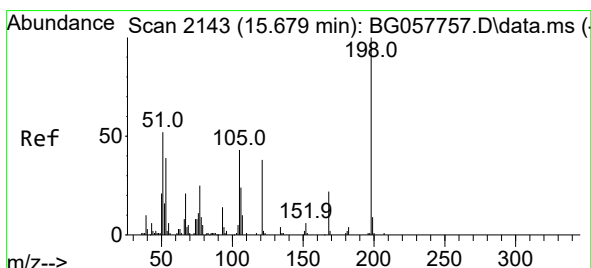
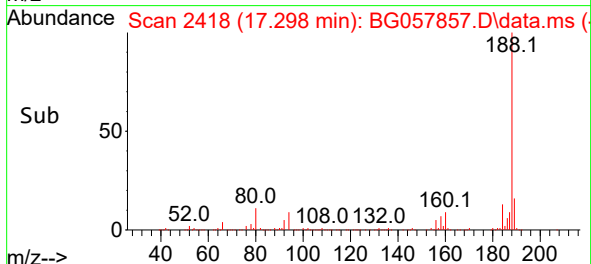
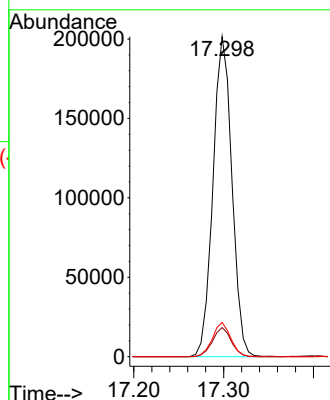
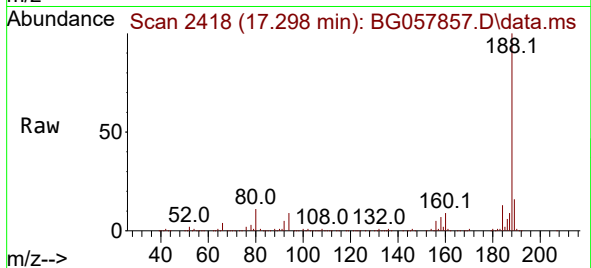
Tgt Ion:188 Resp: 294916

Ion Ratio Lower Upper

188 100

94 9.1 6.6 9.8

80 10.7 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 5.581 ng

RT: 16.041 min Scan# 2204

Delta R.T. 0.362 min

Lab File: BG057857.D

Acq: 24 Jun 2023 1:33

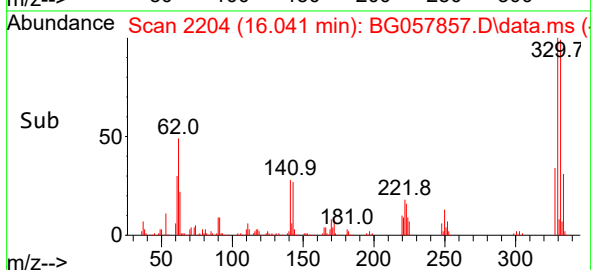
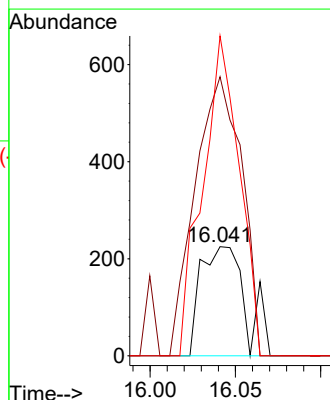
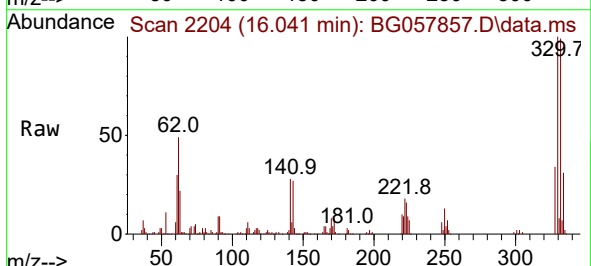
Tgt Ion:198 Resp: 410

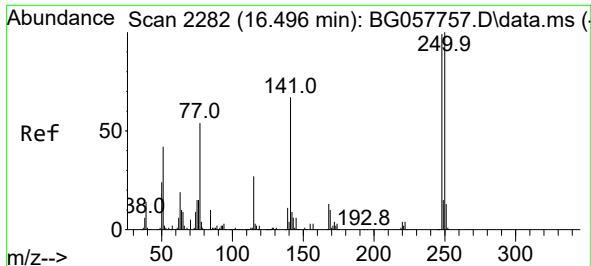
Ion Ratio Lower Upper

198 100

51 255.6 36.6 76.6#

105 292.9 24.3 64.3#

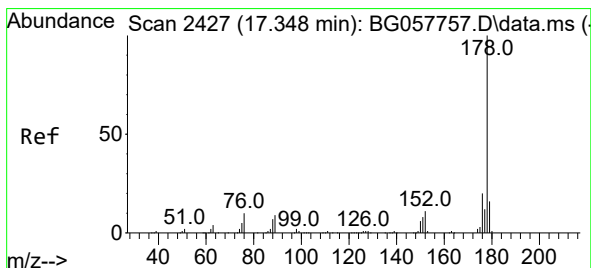
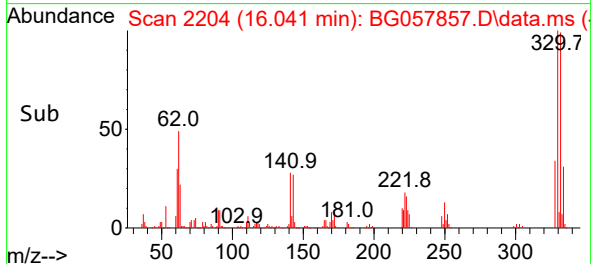
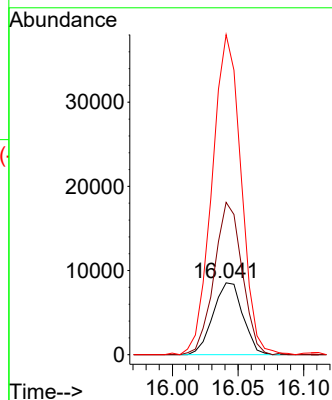
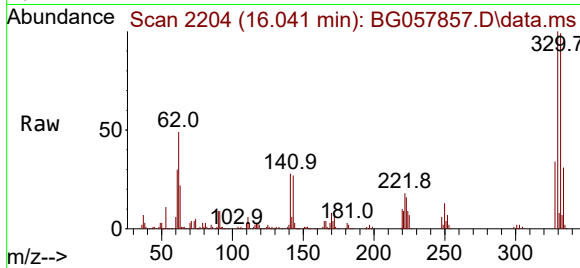




#67
4-Bromophenyl-phenylether
Concen: 4.296 ng
RT: 16.041 min Scan# 21
Delta R.T. -0.455 min
Lab File: BG057857.D
Acq: 24 Jun 2023 1:33

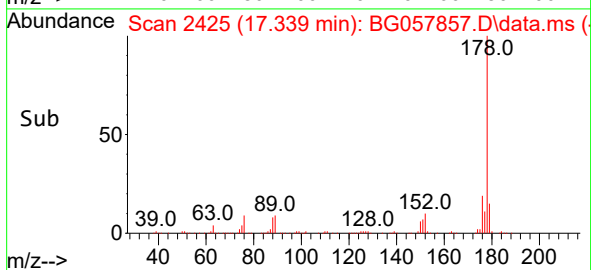
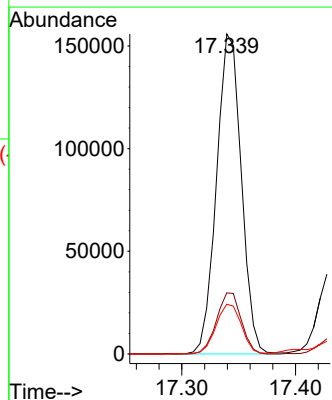
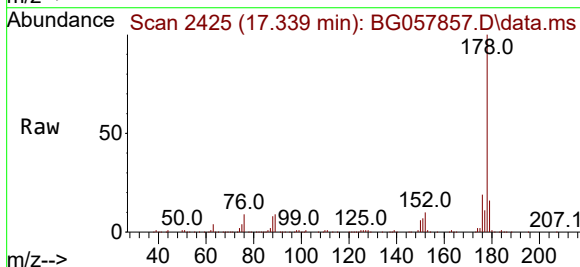
Instrument :
BNA_G
ClientSampleId :
DOMINICK-SP

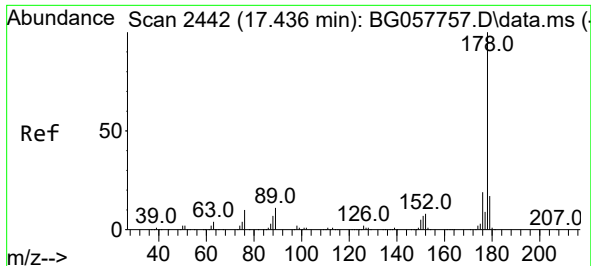
Tgt Ion:248 Resp: 13438
Ion Ratio Lower Upper
248 100
250 211.9 81.1 121.7#
141 445.0 54.6 81.8#



#71
Phenanthrene
Concen: 16.545 ng
RT: 17.339 min Scan# 2425
Delta R.T. -0.008 min
Lab File: BG057857.D
Acq: 24 Jun 2023 1:33

Tgt Ion:178 Resp: 236245
Ion Ratio Lower Upper
178 100
176 19.1 16.3 24.5
179 15.5 13.0 19.6

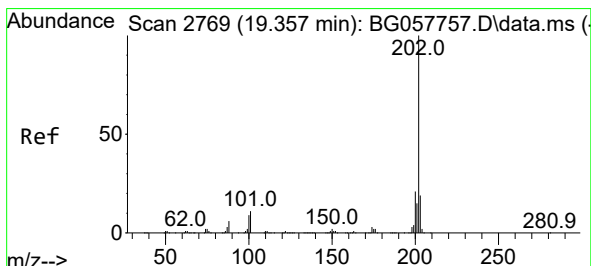
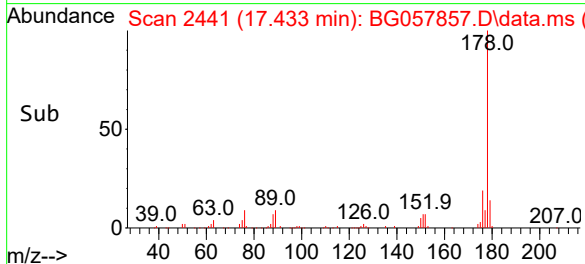
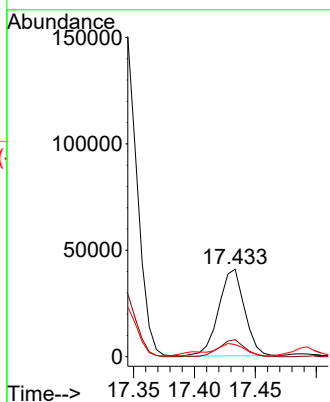
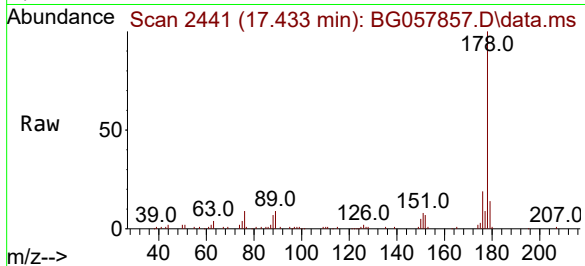




#72
 Anthracene
 Concen: 4.117 ng
 RT: 17.433 min Scan# 2442
 Delta R.T. -0.002 min
 Lab File: BG057857.D
 Acq: 24 Jun 2023 1:33

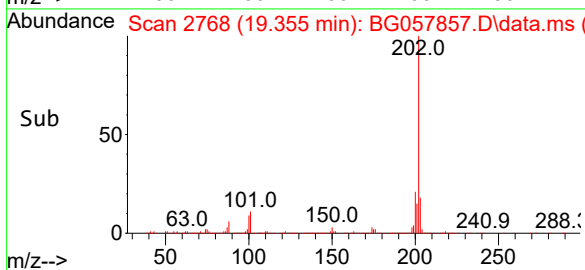
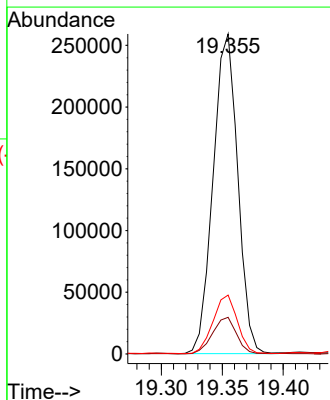
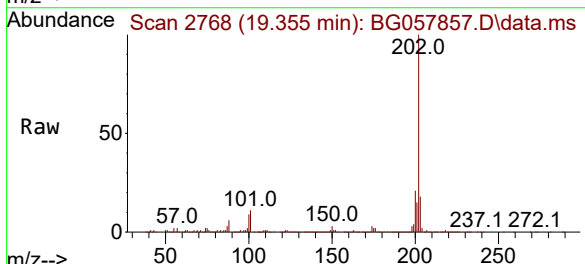
Instrument :
 BNA_G
 ClientSampleId :
 DOMINICK-SP

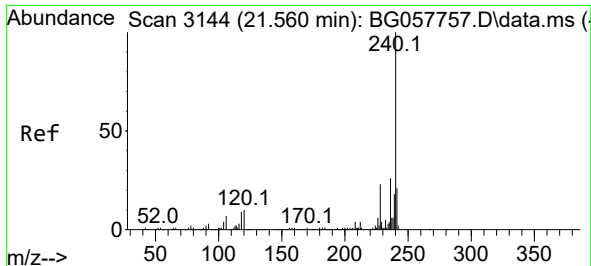
Tgt Ion:178 Resp: 60025
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.0
 179 13.9 13.3 19.9



#75
 Fluoranthene
 Concen: 21.408 ng
 RT: 19.355 min Scan# 2768
 Delta R.T. -0.002 min
 Lab File: BG057857.D
 Acq: 24 Jun 2023 1:33

Tgt Ion:202 Resp: 364162
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 31.3
 203 18.4 0.0 38.7

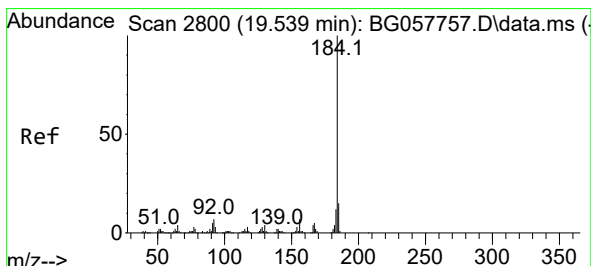
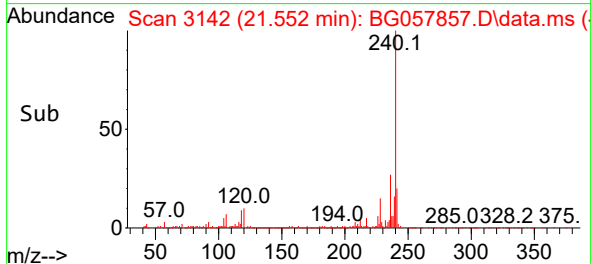
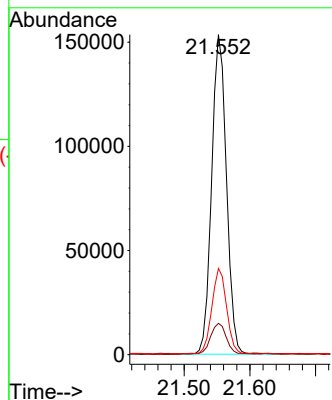
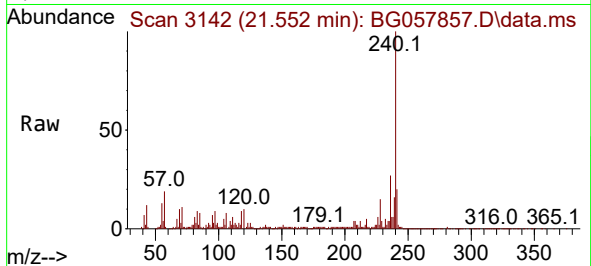




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.552 min Scan# 3144
Delta R.T. -0.008 min
Lab File: BG057857.D
Acq: 24 Jun 2023 1:33

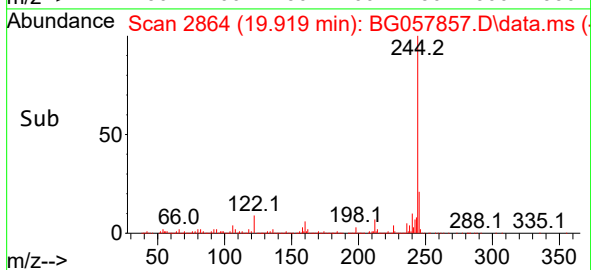
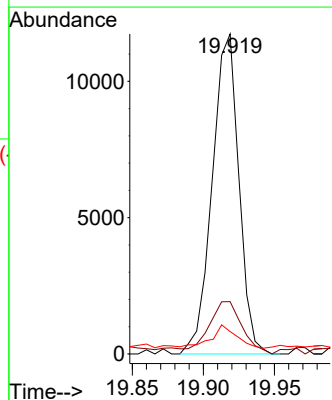
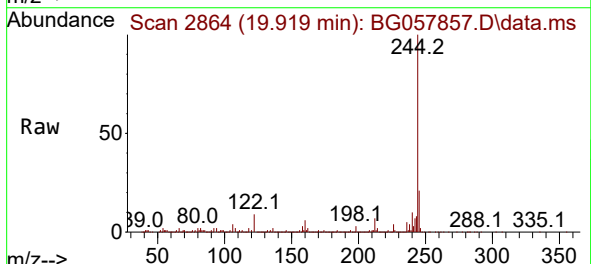
Instrument :
BNA_G
ClientSampleId :
DOMINICK-SP

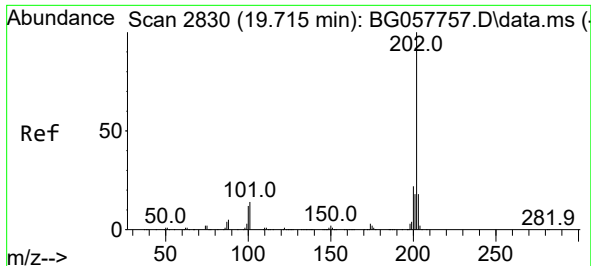
Tgt Ion:240 Resp: 240855
Ion Ratio Lower Upper
240 100
120 9.8 8.1 12.1
236 27.0 20.6 30.8



#77
Benzidine
Concen: 2.706 ng
RT: 19.919 min Scan# 2864
Delta R.T. 0.380 min
Lab File: BG057857.D
Acq: 24 Jun 2023 1:33

Tgt Ion:184 Resp: 15276
Ion Ratio Lower Upper
184 100
185 16.4 12.0 18.0
183 7.0 9.4 14.0#

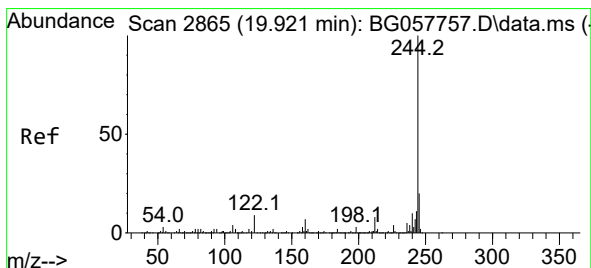
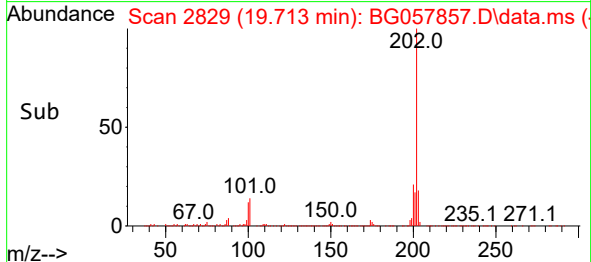
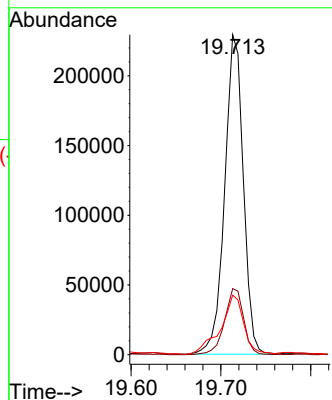
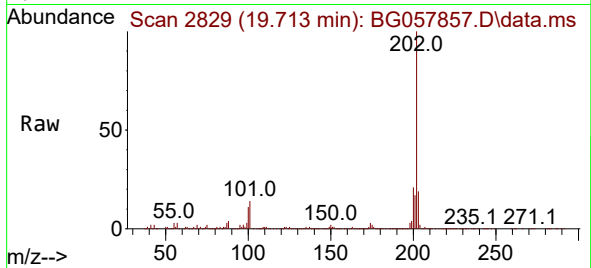




#78
 Pyrene
 Concen: 19.228 ng
 RT: 19.713 min Scan# 2829
 Delta R.T. -0.002 min
 Lab File: BG057857.D
 Acq: 24 Jun 2023 1:33

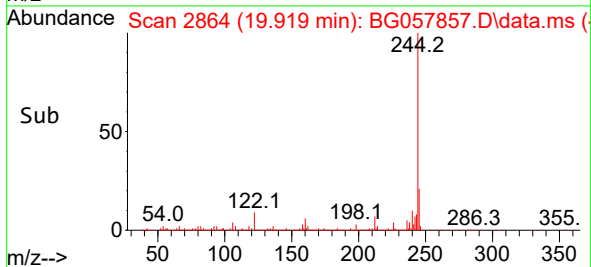
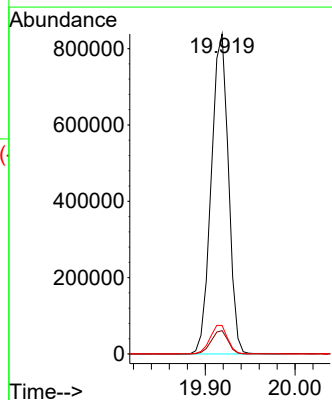
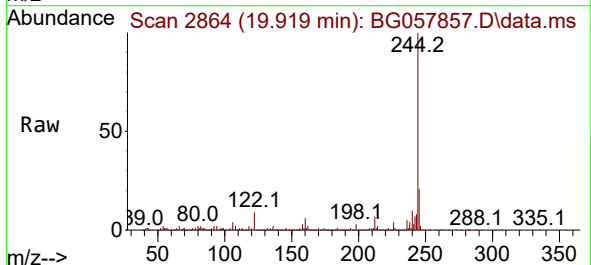
Instrument :
 BNA_G
 ClientSampleId :
 DOMINICK-SP

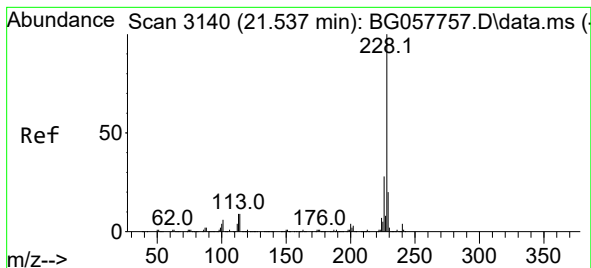
Tgt Ion:202 Resp: 330362
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.4 26.0
 203 18.6 14.6 22.0



#79
 Terphenyl-d14
 Concen: 86.255 ng
 RT: 19.919 min Scan# 2864
 Delta R.T. -0.002 min
 Lab File: BG057857.D
 Acq: 24 Jun 2023 1:33

Tgt Ion:244 Resp: 1114132
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 8.9 7.6 11.4





#81

Benzo(a)anthracene

Concen: 10.366 ng

RT: 21.535 min Scan# 3140

Delta R.T. -0.002 min

Lab File: BG057857.D

Acq: 24 Jun 2023 1:33

Instrument :

BNA_G

ClientSampleId :

DOMINICK-SP

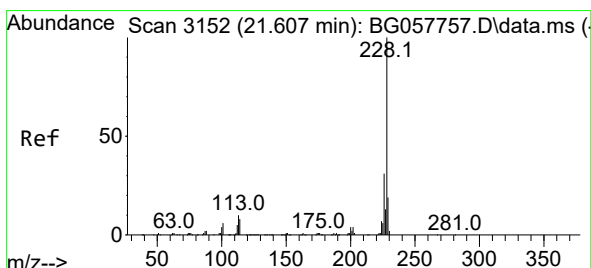
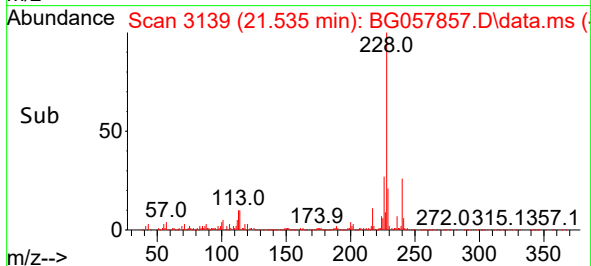
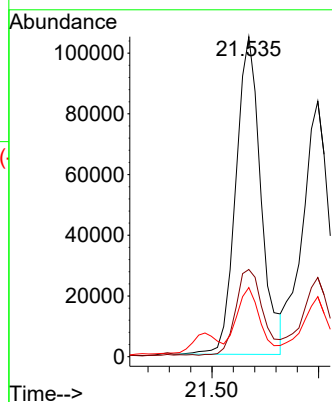
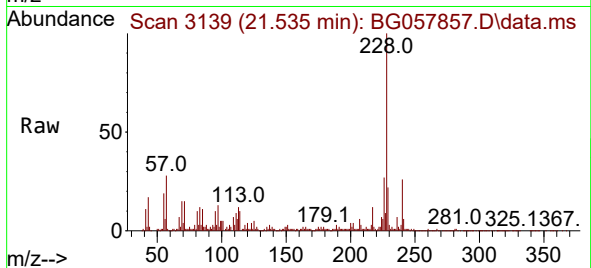
Tgt Ion:228 Resp: 171297

Ion Ratio Lower Upper

228 100

226 27.3 22.3 33.5

229 21.6 16.3 24.5



#83

Chrysene

Concen: 10.801 ng

RT: 21.535 min Scan# 3139

Delta R.T. -0.073 min

Lab File: BG057857.D

Acq: 24 Jun 2023 1:33

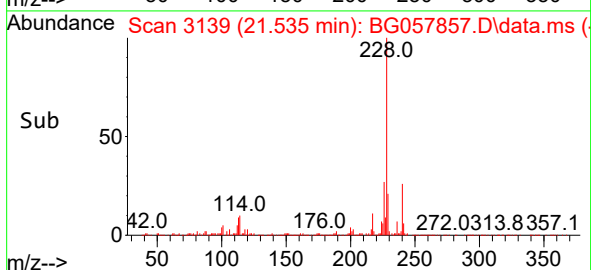
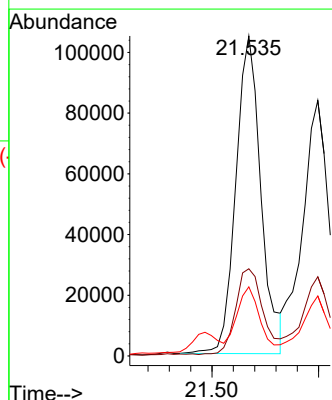
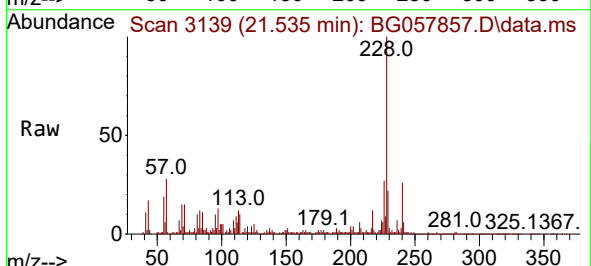
Tgt Ion:228 Resp: 171297

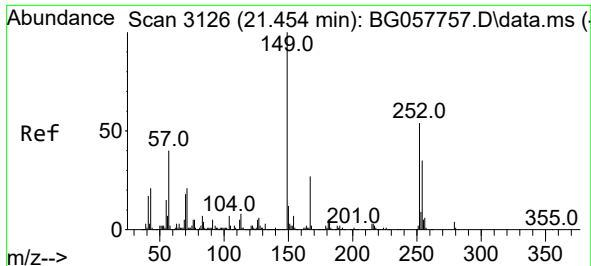
Ion Ratio Lower Upper

228 100

226 27.3 24.8 37.2

229 21.6 15.6 23.4

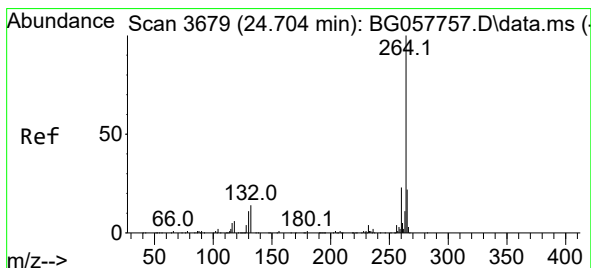
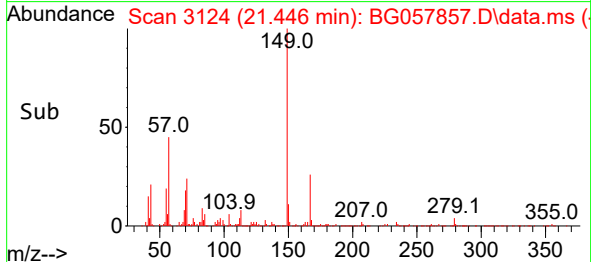
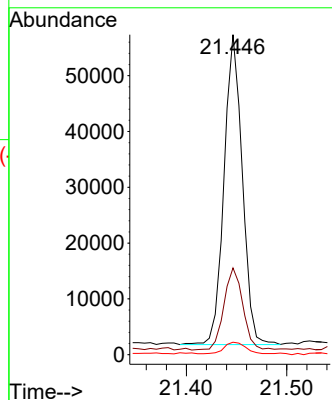
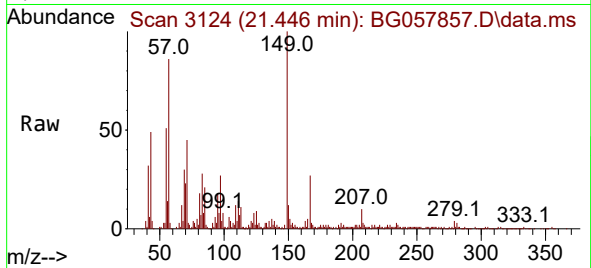




#84
Bis(2-ethylhexyl)phthalate
Concen: 7.380 ng
RT: 21.446 min Scan# 3126
Delta R.T. -0.008 min
Lab File: BG057857.D
Acq: 24 Jun 2023 1:33

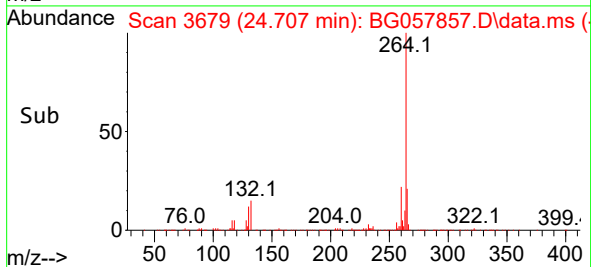
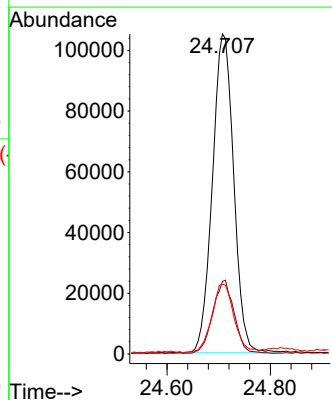
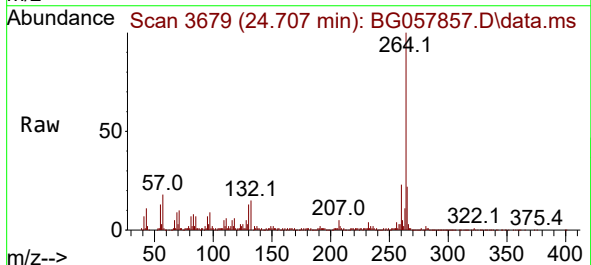
Instrument :
BNA_G
ClientSampleId :
DOMINICK-SP

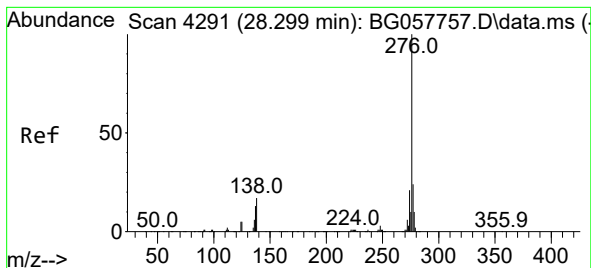
Tgt Ion:149 Resp: 70029
Ion Ratio Lower Upper
149 100
167 27.1 21.8 32.8
279 3.9 2.9 4.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.707 min Scan# 3679
Delta R.T. 0.004 min
Lab File: BG057857.D
Acq: 24 Jun 2023 1:33

Tgt Ion:264 Resp: 299990
Ion Ratio Lower Upper
264 100
260 22.6 18.5 27.7
265 21.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.235 ng

RT: 28.291 min Scan# 4291

Delta R.T. -0.008 min

Lab File: BG057857.D

Acq: 24 Jun 2023 1:33

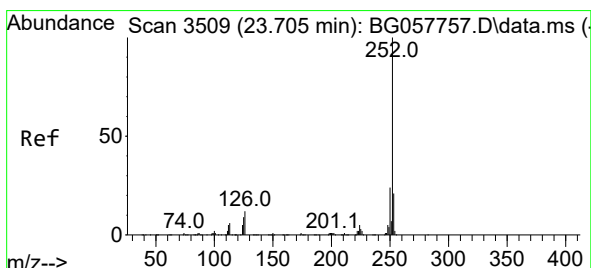
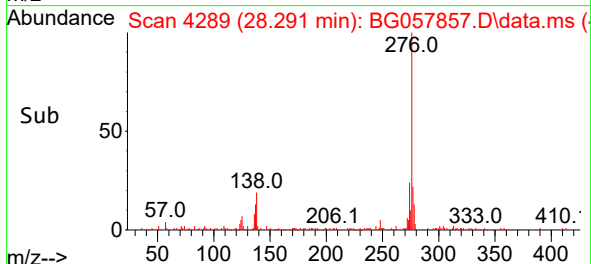
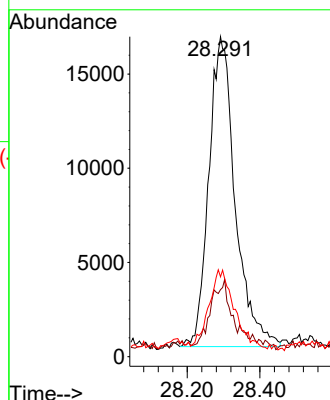
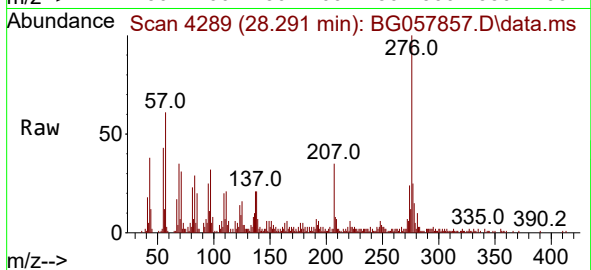
Instrument :

BNA_G

ClientSampleId :

DOMINICK-SP

Tgt Ion:	276	Resp:	83064
Ion Ratio	Lower	Upper	
276	100		
138	14.9	11.3	16.9
277	24.7	20.4	30.6



#88

Benzo(b)fluoranthene

Concen: 10.895 ng

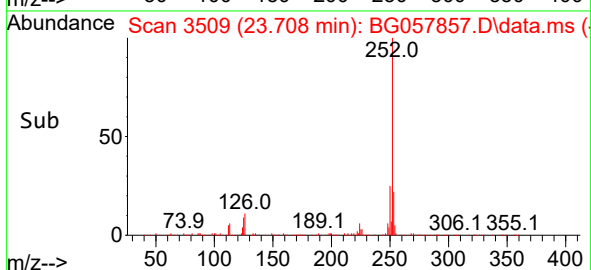
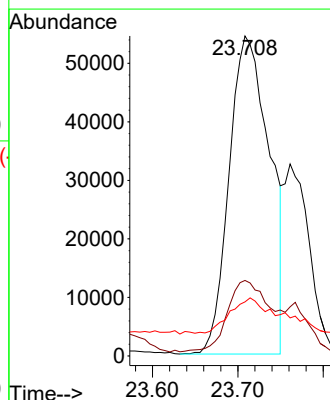
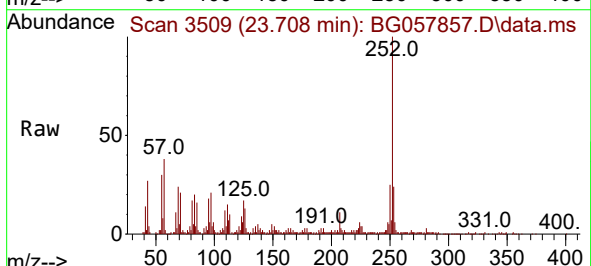
RT: 23.708 min Scan# 3509

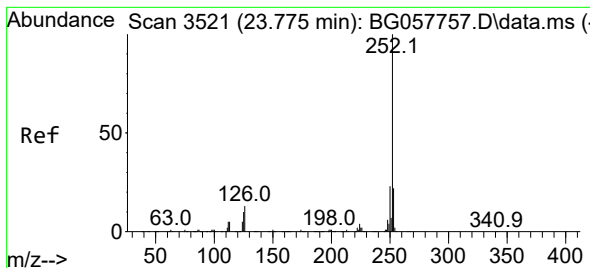
Delta R.T. 0.004 min

Lab File: BG057857.D

Acq: 24 Jun 2023 1:33

Tgt Ion:	252	Resp:	179104
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.1	25.7
125	16.9	7.4	11.0





#89

Benzo(k)fluoranthene

Concen: 10.697 ng

RT: 23.708 min Scan# 3509

Delta R.T. -0.067 min

Lab File: BG057857.D

Acq: 24 Jun 2023 1:33

Instrument :

BNA_G

ClientSampleId :

DOMINICK-SP

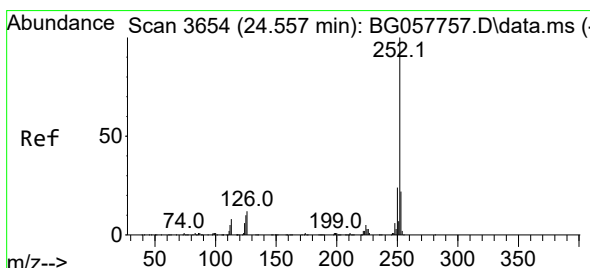
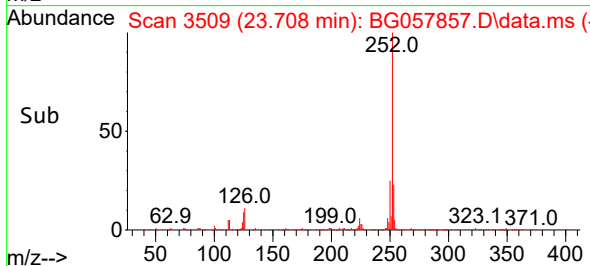
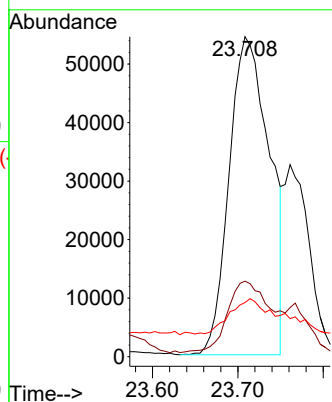
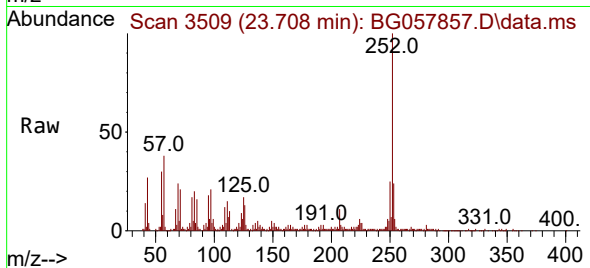
Tgt Ion:252 Resp: 179104

Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

125 16.9 7.6 11.4#



#90

Benzo(a)pyrene

Concen: 8.791 ng

RT: 24.560 min Scan# 3654

Delta R.T. 0.004 min

Lab File: BG057857.D

Acq: 24 Jun 2023 1:33

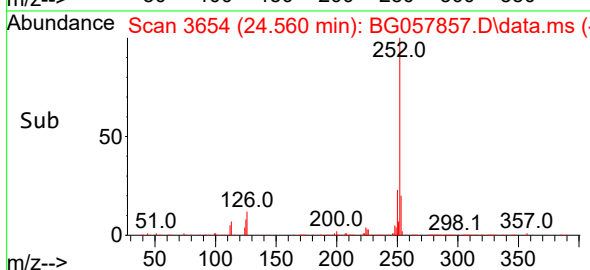
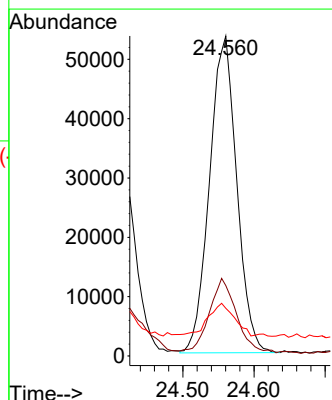
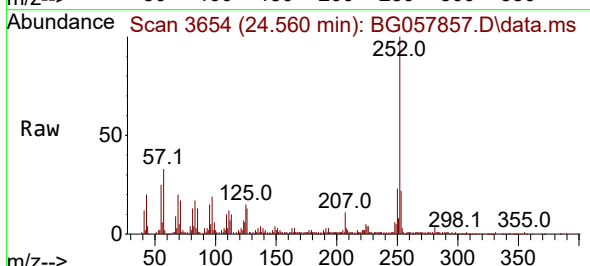
Tgt Ion:252 Resp: 141926

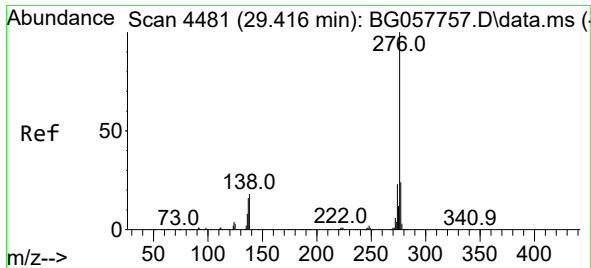
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

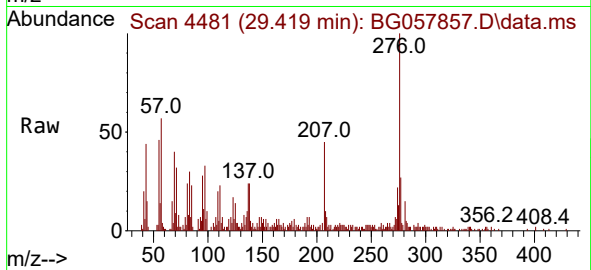
125 14.9 8.0 12.0#





#92
Benzo(g,h,i)perylene
Concen: 4.788 ng
RT: 29.419 min Scan# 44
Delta R.T. 0.004 min
Lab File: BG057857.D
Acq: 24 Jun 2023 1:33

Instrument :
BNA_G
ClientSampleId :
DOMINICK-SP



Tgt Ion:276 Resp: 78013
Ion Ratio Lower Upper
276 100
277 27.1 19.4 29.0
138 24.1 14.2 21.4#

