

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
 Data File : BG057830.D
 Acq On : 23 Jun 2023 5:59
 Operator : CG/JU
 Sample : 03327-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSIT-TW-02

Quant Time: Jun 23 06:45:43 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)

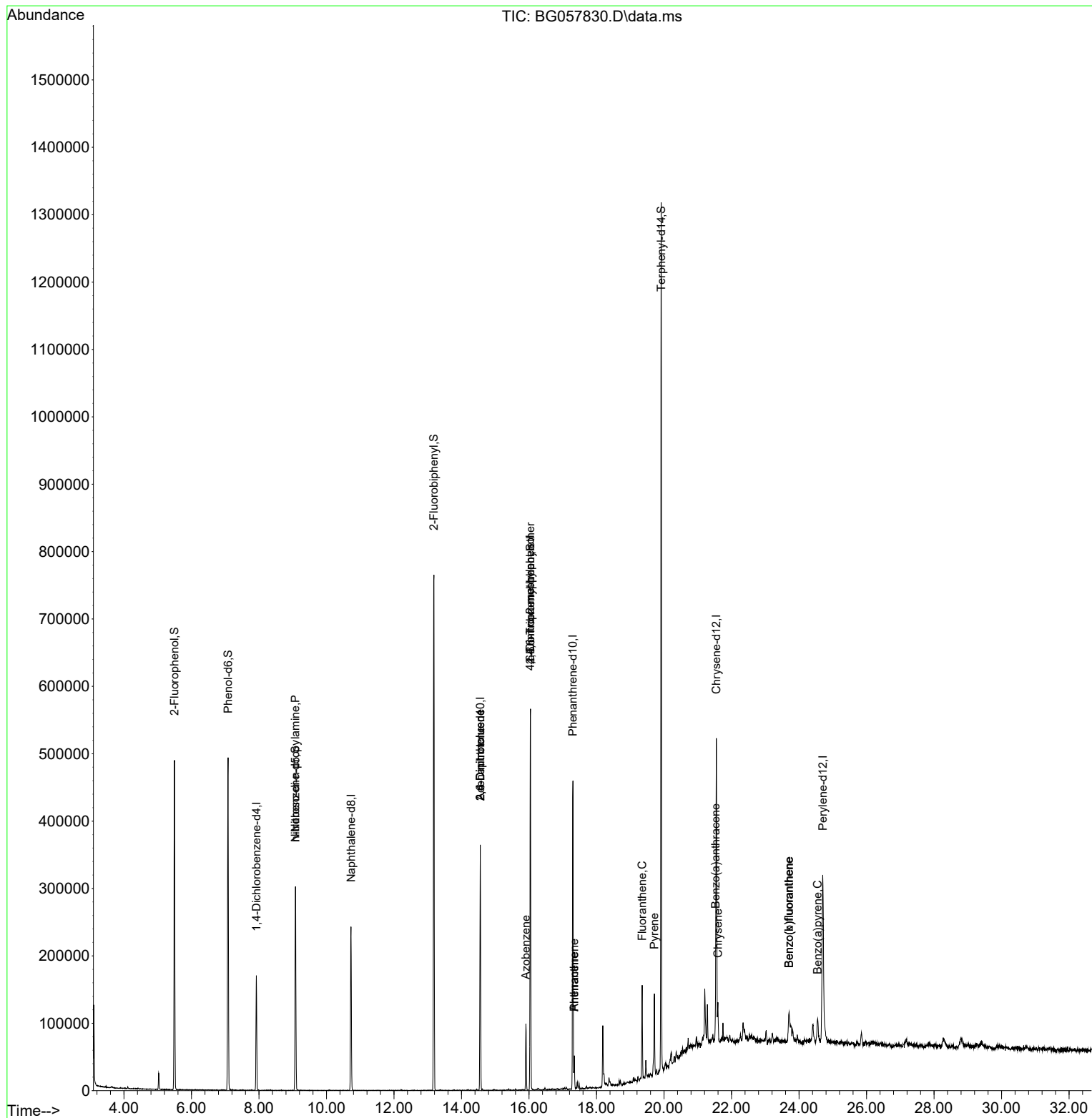
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.924	152	47113	20.000	ng	0.00
21) Naphthalene-d8	10.727	136	201755	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	129001	20.000	ng	0.00
64) Phenanthrene-d10	17.301	188	290337	20.000	ng	0.00
76) Chrysene-d12	21.549	240	244374	20.000	ng	-0.01
86) Perylene-d12	24.704	264	300421	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.497	112	207932	68.052	ng	0.00
7) Phenol-d6	7.084	99	297349	63.778	ng	0.00
23) Nitrobenzene-d5	9.081	82	179712	45.716	ng	-0.01
42) 2,4,6-Tribromophenol	16.044	330	122012	67.899	ng	0.00
45) 2-Fluorobiphenyl	13.183	172	416841	49.011	ng	0.00
79) Terphenyl-d14	19.916	244	655262	49.999	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.081	70	22670	6.975	ng	# 72
51) 2,6-Dinitrotoluene	14.557	165	16171	8.863	ng	# 19
57) 2,4-Dinitrotoluene	14.557	165	16171	6.536	ng	# 19
63) Azobenzene	15.909	77	28293	2.721	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.038	198	89	5.371	ng	# 1
67) 4-Bromophenyl-phenylether	16.044	248	7930	2.575	ng	# 1
71) Phenanthrene	17.342	178	29022	2.065	ng	97
72) Anthracene	17.342	178	29022	2.022	ng	96
75) Fluoranthene	19.352	202	80760	4.822	ng	98
78) Pyrene	19.716	202	74714	4.286	ng	100
81) Benzo(a)anthracene	21.532	228	43284	2.582	ng	98
83) Chrysene	21.596	228	38705	2.405	ng	96
88) Benzo(b)fluoranthene	23.706	252	52702	3.201	ng	# 93
89) Benzo(k)fluoranthene	23.706	252	52702	3.143	ng	# 95
90) Benzo(a)pyrene	24.552	252	40507	2.505	ng	95

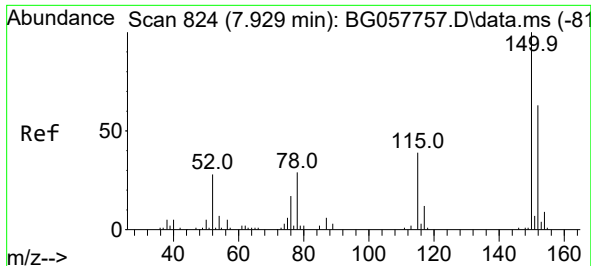
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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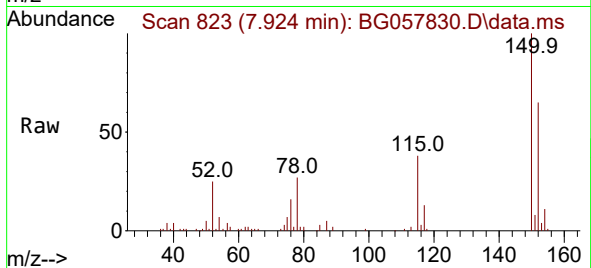
Quant Time: Jun 23 06:45:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
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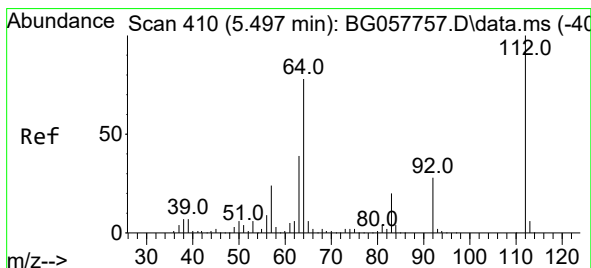
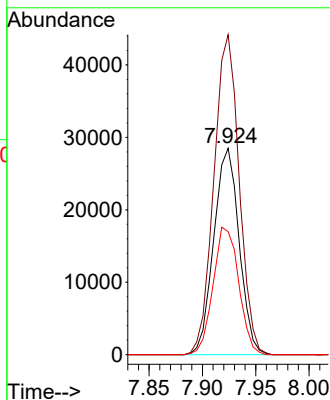
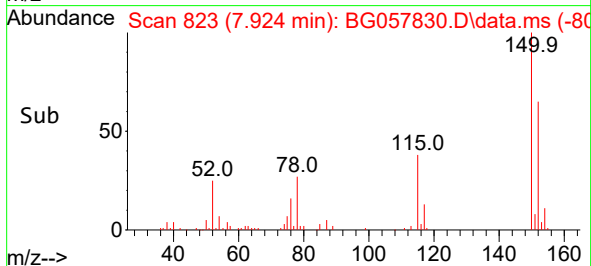


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.924 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

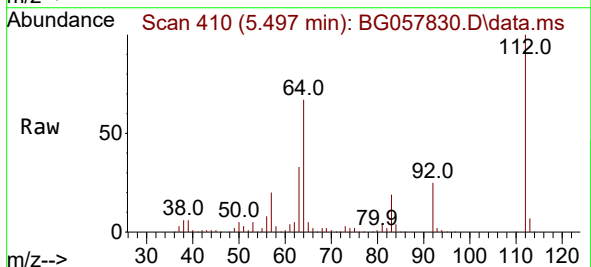
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-02



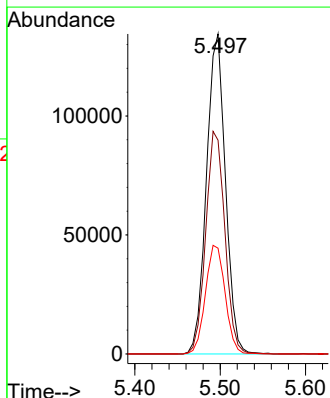
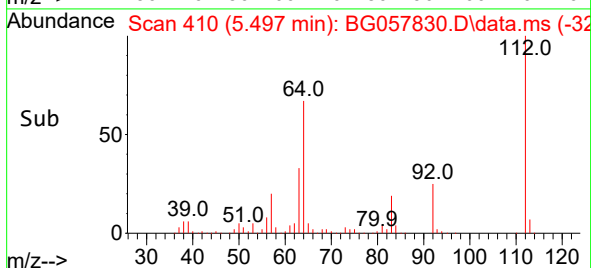
Tgt Ion:152 Resp: 47113
Ion Ratio Lower Upper
152 100
150 155.0 126.6 189.8
115 59.6 48.9 73.3

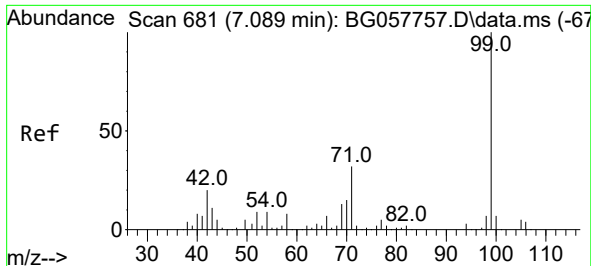


#5
2-Fluorophenol
Concen: 68.052 ng
RT: 5.497 min Scan# 410
Delta R.T. 0.000 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59



Tgt Ion:112 Resp: 207932
Ion Ratio Lower Upper
112 100
64 66.8 62.1 93.1
63 33.1 31.5 47.3

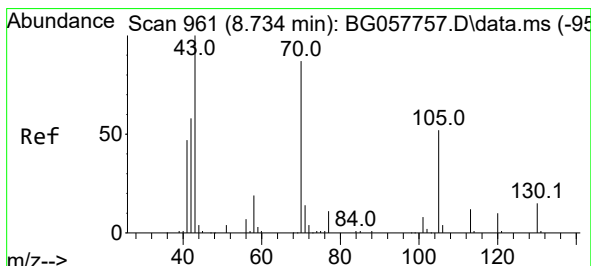
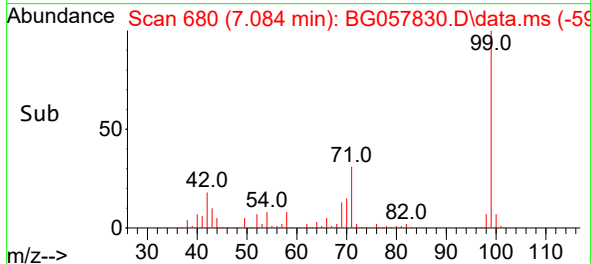
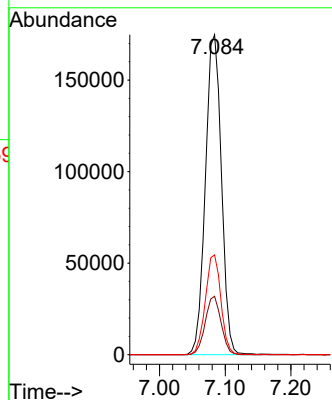
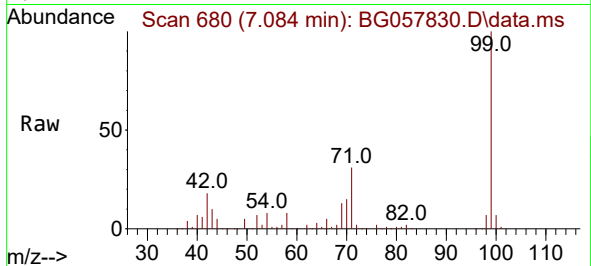




#7
Phenol-d6
Concen: 63.778 ng
RT: 7.084 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

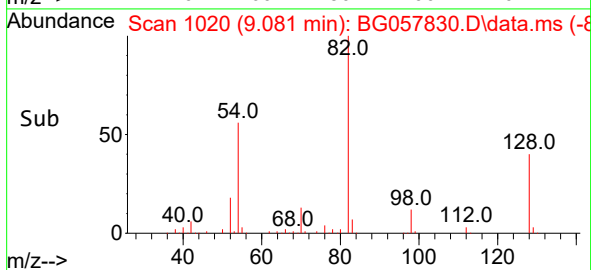
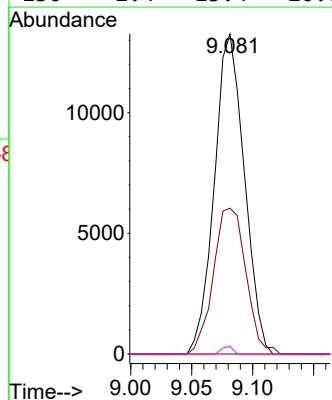
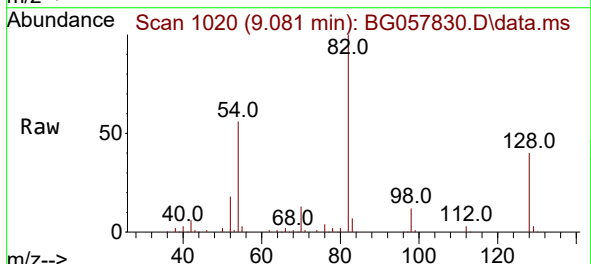
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-02

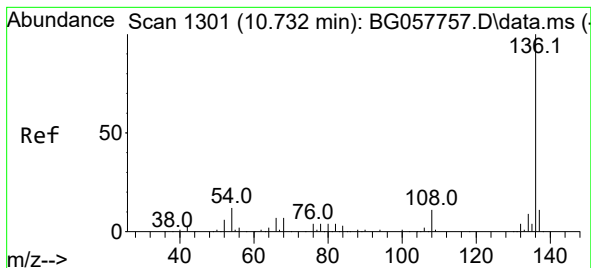
Tgt Ion: 99 Resp: 297349
Ion Ratio Lower Upper
99 100
42 18.3 16.4 24.6
71 31.2 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 6.975 ng
RT: 9.081 min Scan# 1020
Delta R.T. 0.347 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Tgt Ion: 70 Resp: 22670
Ion Ratio Lower Upper
70 100
42 45.6 54.2 81.2#
101 0.0 7.4 11.0#
130 2.4 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: BG057830.D

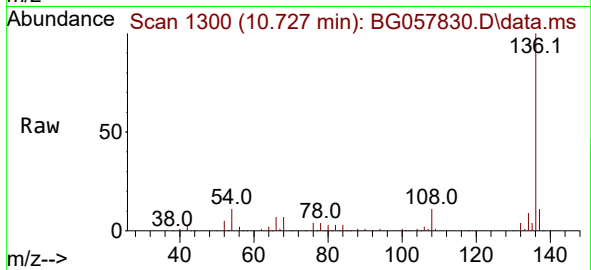
Acq: 23 Jun 2023 5:59

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TW-02



Tgt Ion:136 Resp: 201755

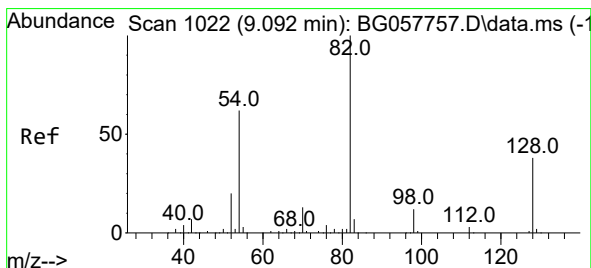
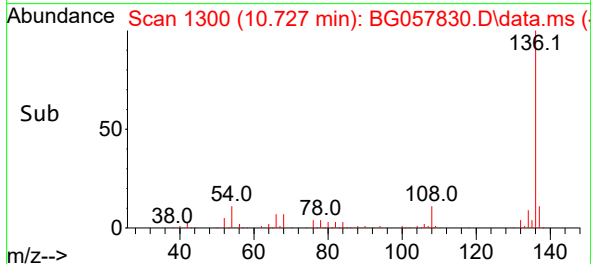
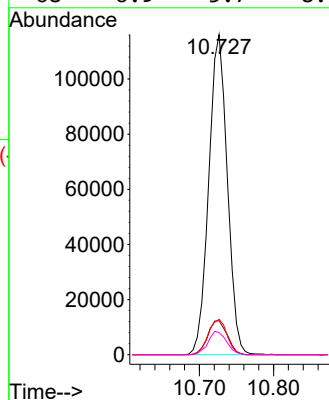
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 11.0 9.5 14.3

68 6.9 5.7 8.5



#23

Nitrobenzene-d5

Concen: 45.716 ng

RT: 9.081 min Scan# 1020

Delta R.T. -0.011 min

Lab File: BG057830.D

Acq: 23 Jun 2023 5:59

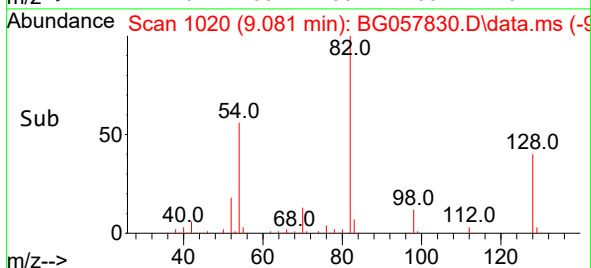
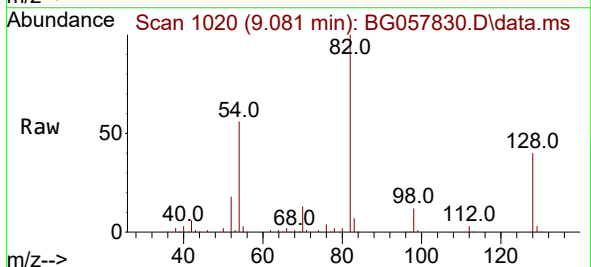
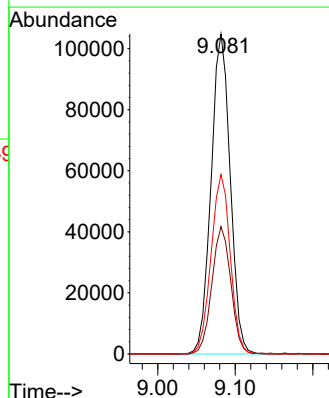
Tgt Ion: 82 Resp: 179712

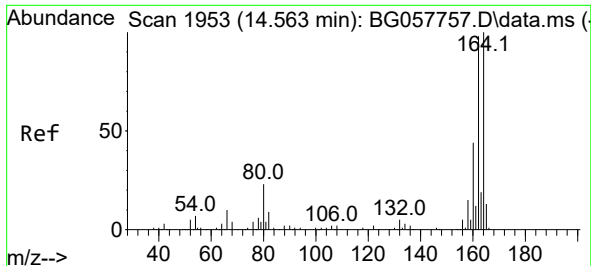
Ion Ratio Lower Upper

82 100

128 39.8 30.7 46.1

54 56.0 49.6 74.4

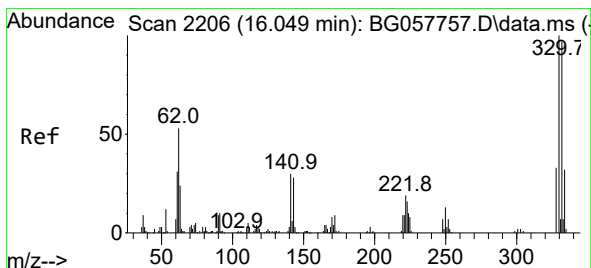
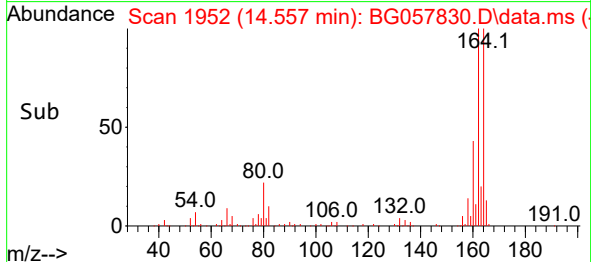
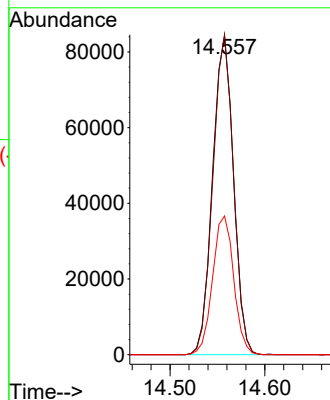
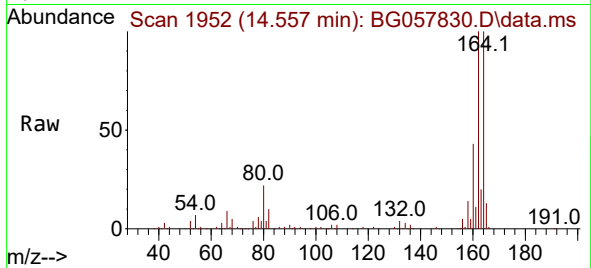




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1952
Delta R.T. -0.005 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

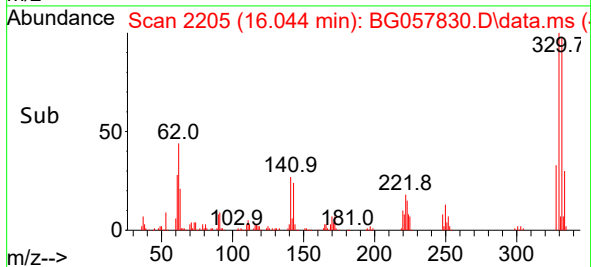
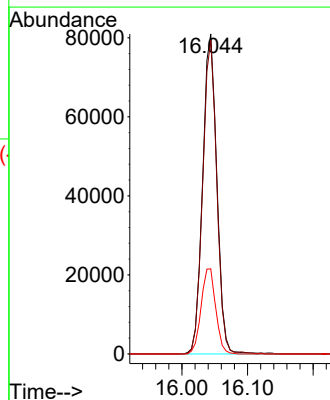
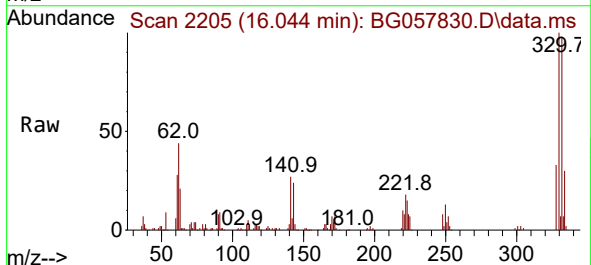
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-02

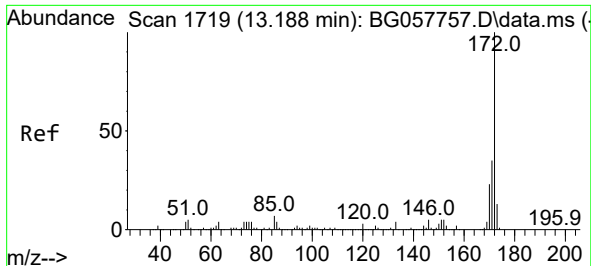
Tgt Ion:164 Resp: 129001
Ion Ratio Lower Upper
164 100
162 100.2 78.3 117.5
160 43.5 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 67.899 ng
RT: 16.044 min Scan# 2205
Delta R.T. -0.005 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Tgt Ion:330 Resp: 122012
Ion Ratio Lower Upper
330 100
332 96.9 76.6 115.0
141 27.4 24.7 37.1

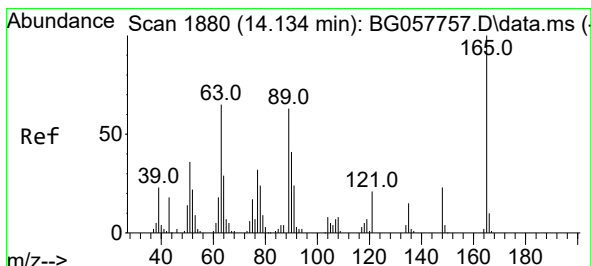
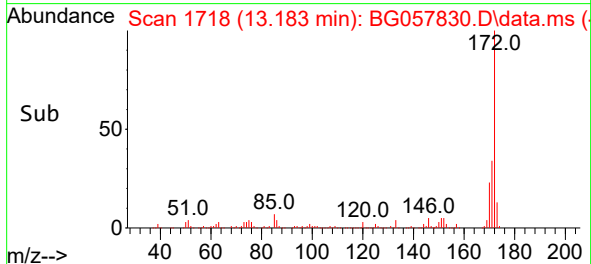
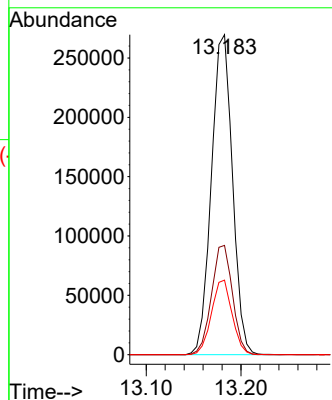
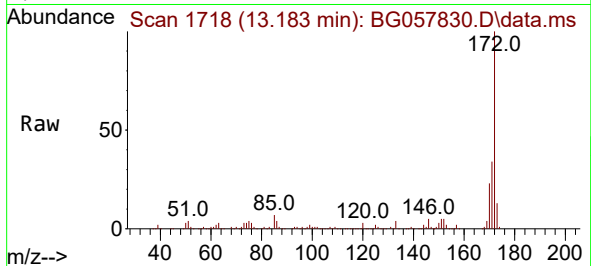




#45
2-Fluorobiphenyl
Concen: 49.011 ng
RT: 13.183 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

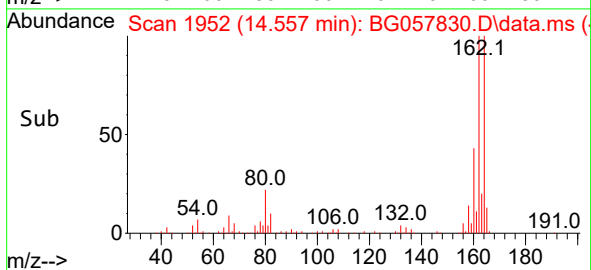
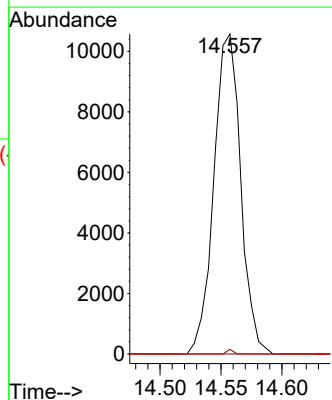
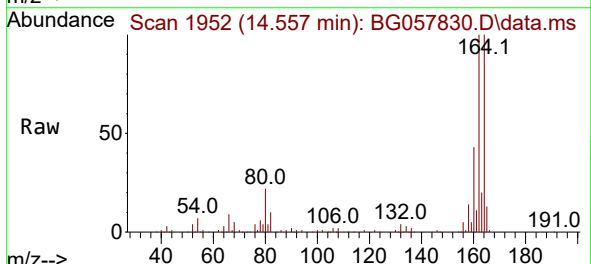
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-02

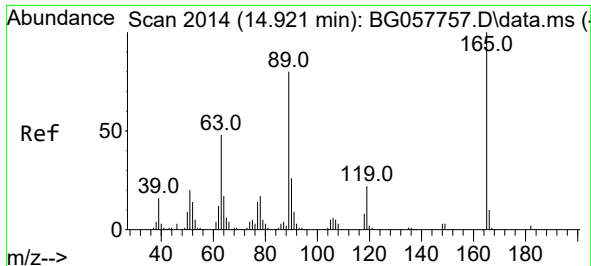
Tgt Ion:172 Resp: 416841
Ion Ratio Lower Upper
172 100
171 34.2 28.1 42.1
170 23.3 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.863 ng
RT: 14.557 min Scan# 1952
Delta R.T. 0.423 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Tgt Ion:165 Resp: 16171
Ion Ratio Lower Upper
165 100
63 1.4 52.8 79.2#
89 0.0 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.536 ng

RT: 14.557 min Scan# 1952

Delta R.T. -0.364 min

Lab File: BG057830.D

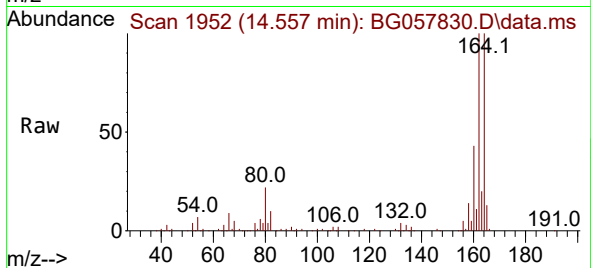
Acq: 23 Jun 2023 5:59

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TW-02



Tgt Ion:165 Resp: 16171

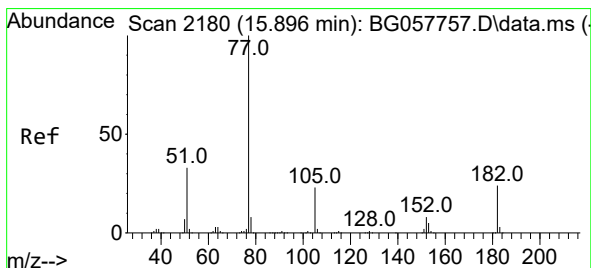
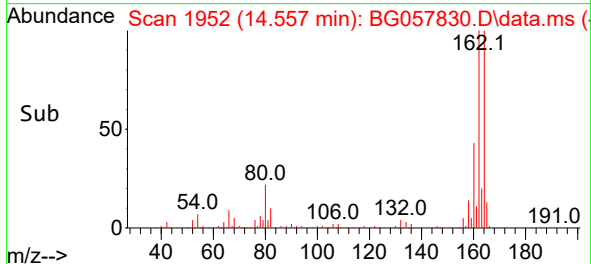
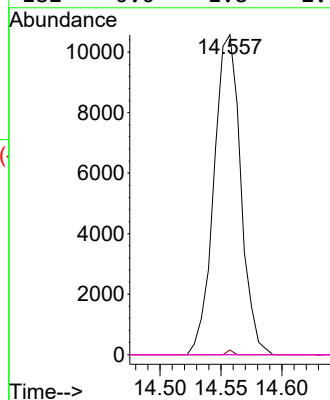
Ion Ratio Lower Upper

165 100

63 1.4 38.6 58.0#

89 0.0 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 2.721 ng

RT: 15.909 min Scan# 2182

Delta R.T. 0.012 min

Lab File: BG057830.D

Acq: 23 Jun 2023 5:59

Tgt Ion: 77 Resp: 28293

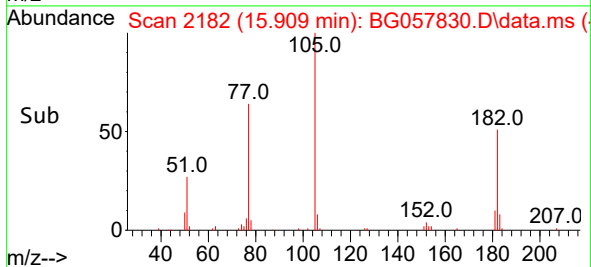
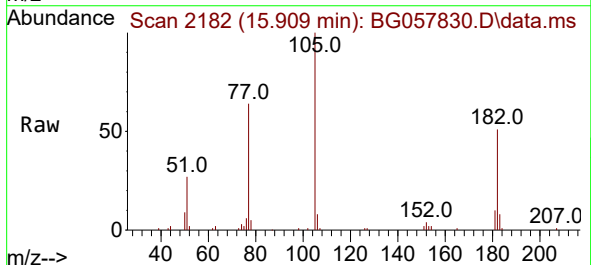
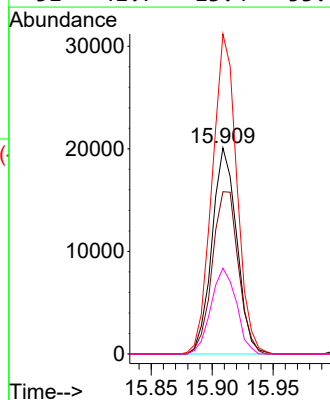
Ion Ratio Lower Upper

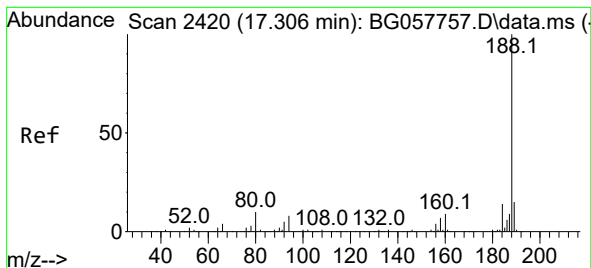
77 100

182 78.8 4.1 44.1#

105 155.3 3.3 43.3#

51 41.7 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: BG057830.D

Acq: 23 Jun 2023 5:59

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TW-02

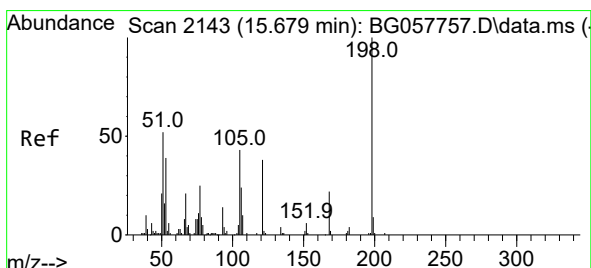
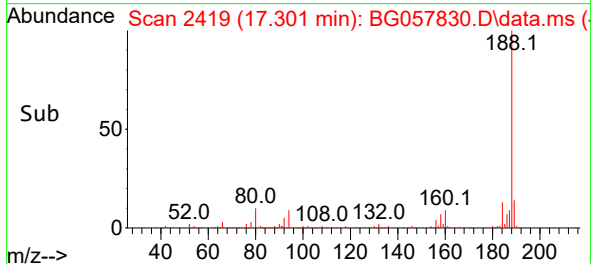
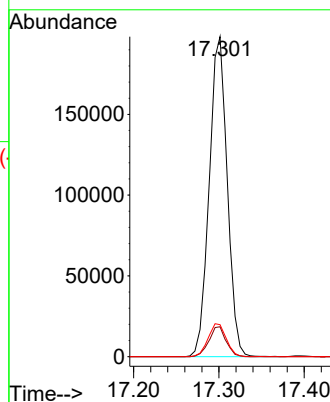
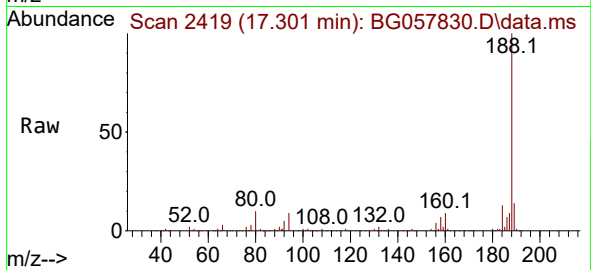
Tgt Ion:188 Resp: 290337

Ion Ratio Lower Upper

188 100

94 9.4 6.6 9.8

80 10.0 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 5.371 ng

RT: 16.038 min Scan# 2204

Delta R.T. 0.359 min

Lab File: BG057830.D

Acq: 23 Jun 2023 5:59

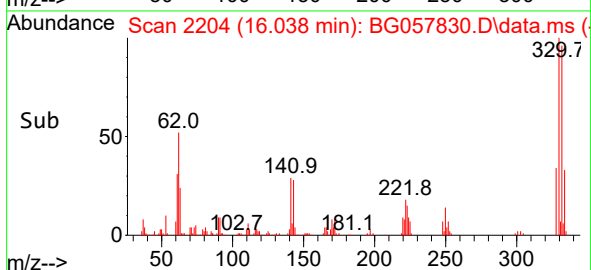
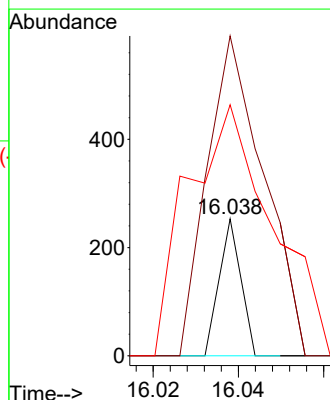
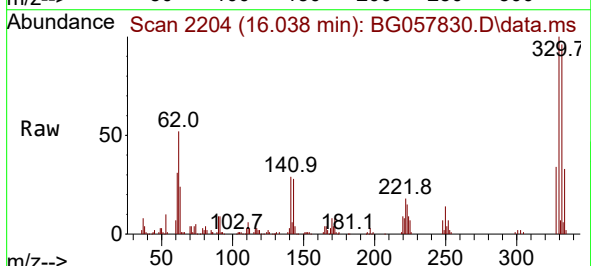
Tgt Ion:198 Resp: 89

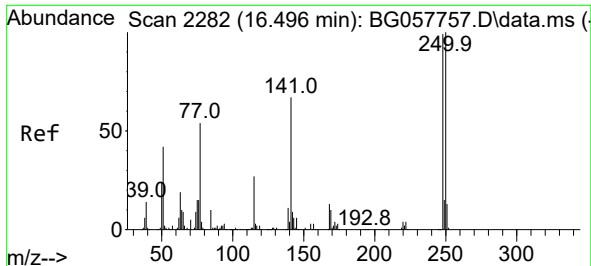
Ion Ratio Lower Upper

198 100

51 233.6 36.6 76.6#

105 183.4 24.3 64.3#

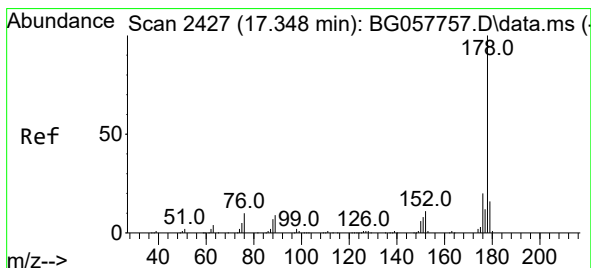
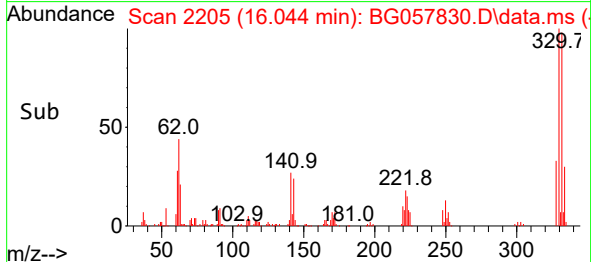
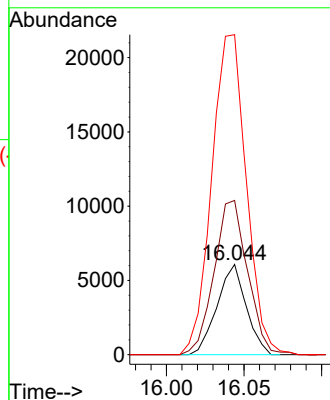
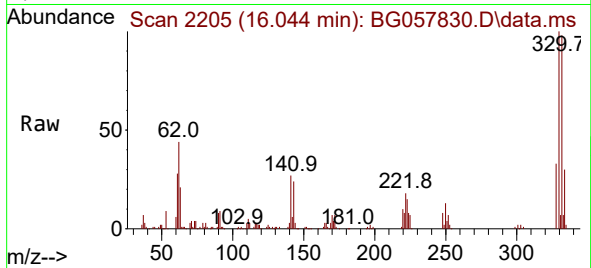




#67
4-Bromophenyl-phenylether
Concen: 2.575 ng
RT: 16.044 min Scan# 21
Delta R.T. -0.452 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

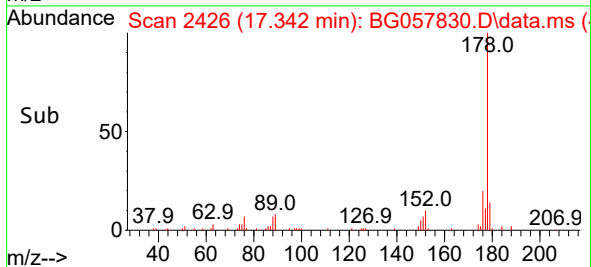
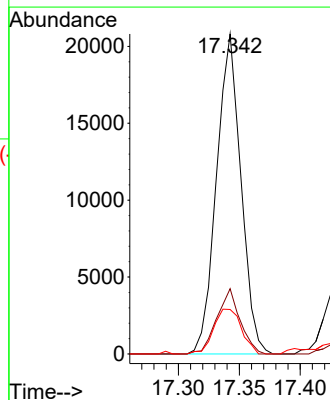
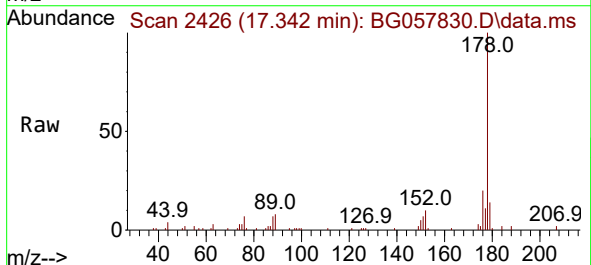
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-02

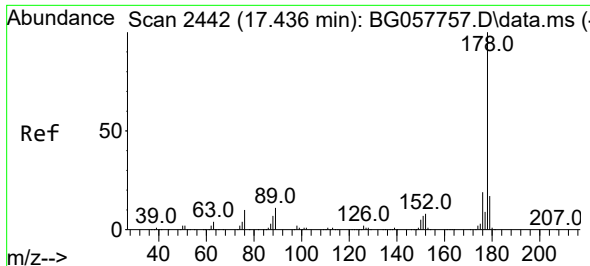
Tgt Ion:248 Resp: 7930
Ion Ratio Lower Upper
248 100
250 171.0 81.1 121.7#
141 354.7 54.6 81.8#



#71
Phenanthrene
Concen: 2.065 ng
RT: 17.342 min Scan# 2426
Delta R.T. -0.005 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Tgt Ion:178 Resp: 29022
Ion Ratio Lower Upper
178 100
176 20.4 16.3 24.5
179 13.9 13.0 19.6

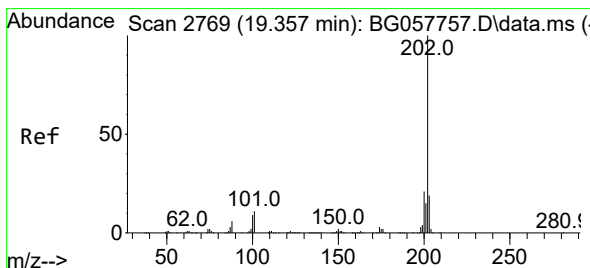
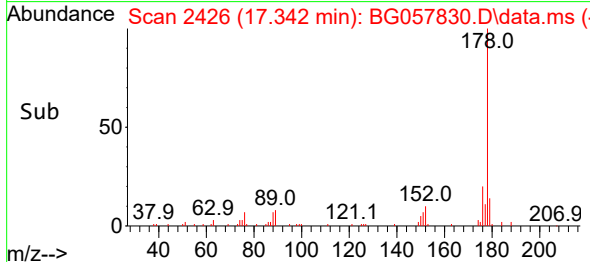
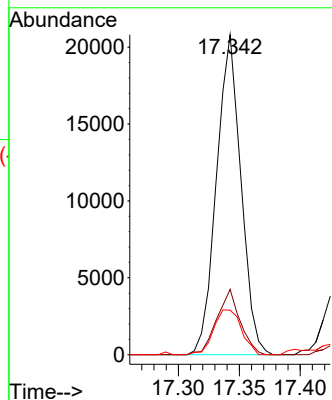
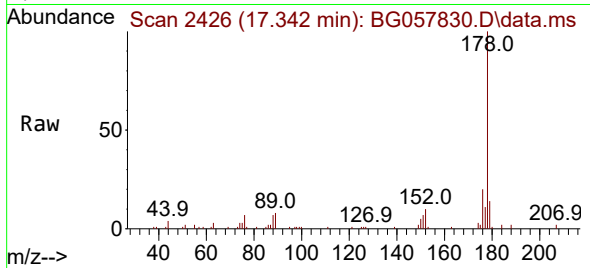




#72
 Anthracene
 Concen: 2.022 ng
 RT: 17.342 min Scan# 2442
 Delta R.T. -0.093 min
 Lab File: BG057830.D
 Acq: 23 Jun 2023 5:59

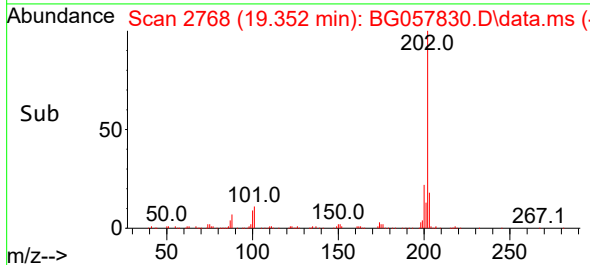
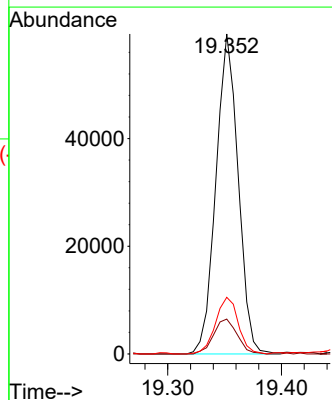
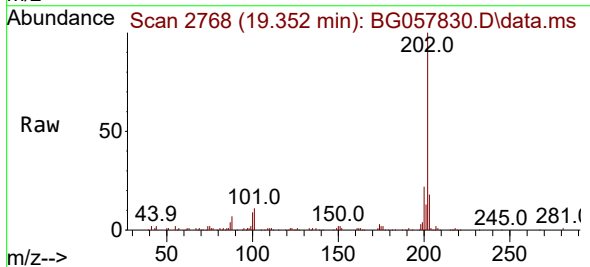
Instrument :
 BNA_G
 ClientSampleId :
 COMPOSIT-TW-02

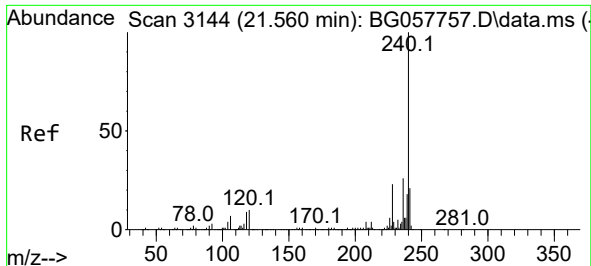
Tgt Ion:178 Resp: 29022
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.4 23.0
 179 13.9 13.3 19.9



#75
 Fluoranthene
 Concen: 4.822 ng
 RT: 19.352 min Scan# 2768
 Delta R.T. -0.005 min
 Lab File: BG057830.D
 Acq: 23 Jun 2023 5:59

Tgt Ion:202 Resp: 80760
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 31.3
 203 17.7 0.0 38.7

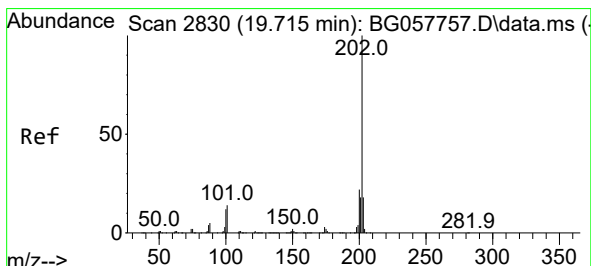
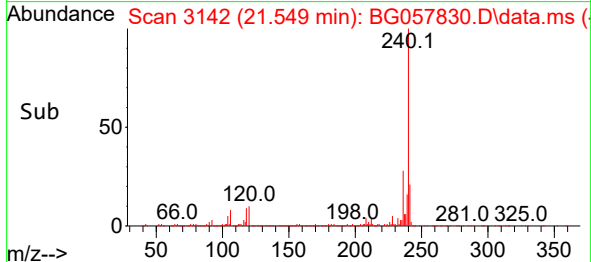
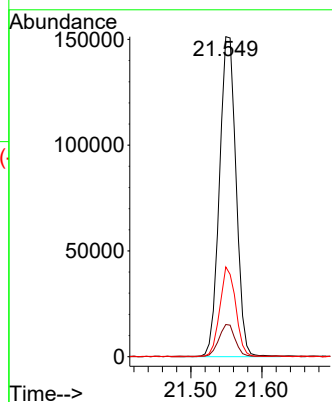
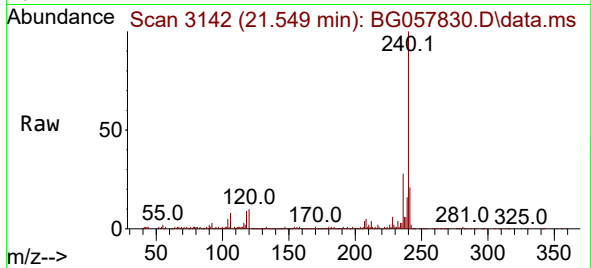




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.549 min Scan# 3144
Delta R.T. -0.011 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

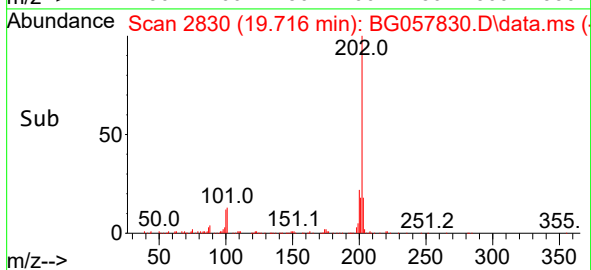
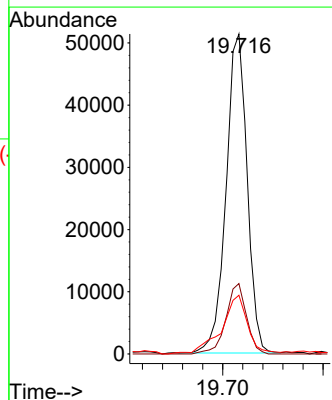
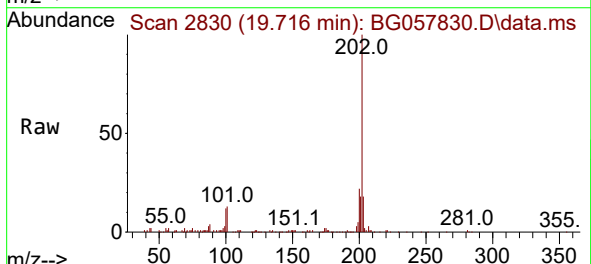
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-02

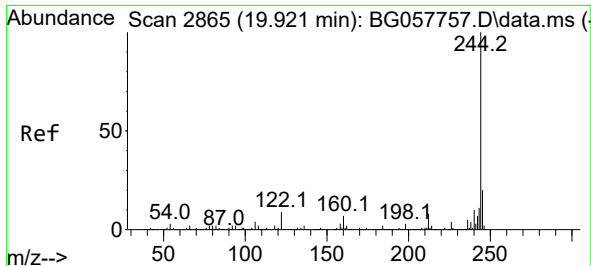
Tgt Ion:240 Resp: 244374
Ion Ratio Lower Upper
240 100
120 10.0 8.1 12.1
236 28.0 20.6 30.8



#78
Pyrene
Concen: 4.286 ng
RT: 19.716 min Scan# 2830
Delta R.T. 0.001 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

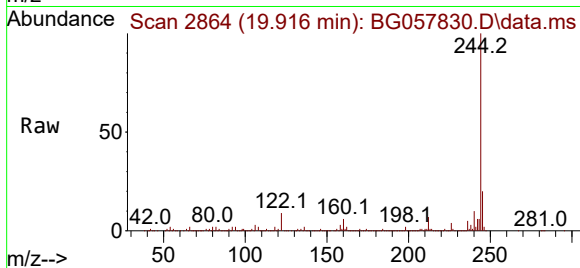
Tgt Ion:202 Resp: 74714
Ion Ratio Lower Upper
202 100
200 22.0 17.4 26.0
203 18.3 14.6 22.0



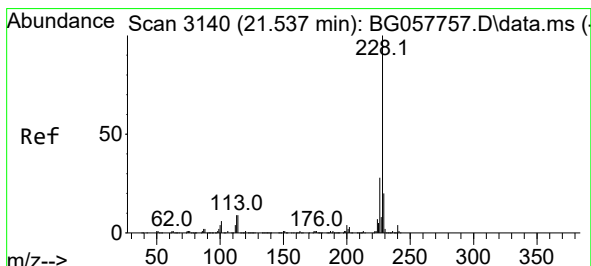
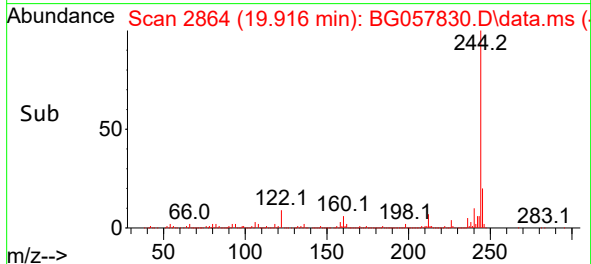
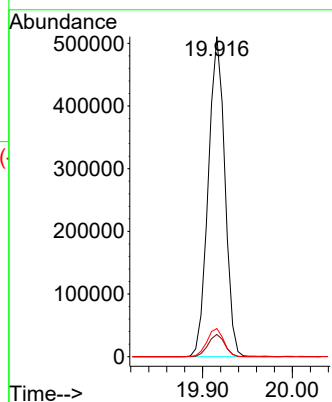


#79
 Terphenyl-d14
 Concen: 49.999 ng
 RT: 19.916 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG057830.D
 Acq: 23 Jun 2023 5:59

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSIT-TW-02

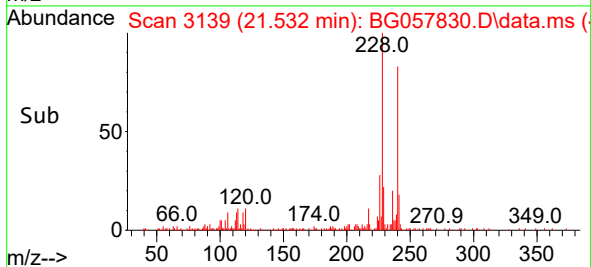
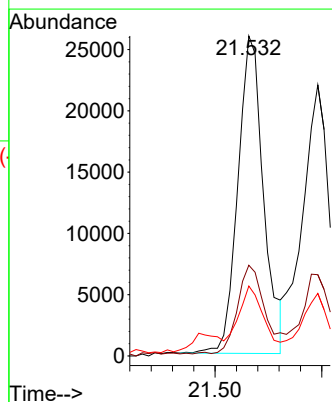
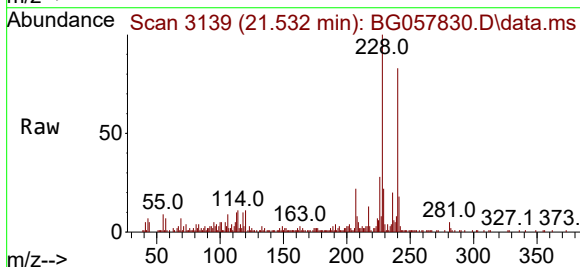


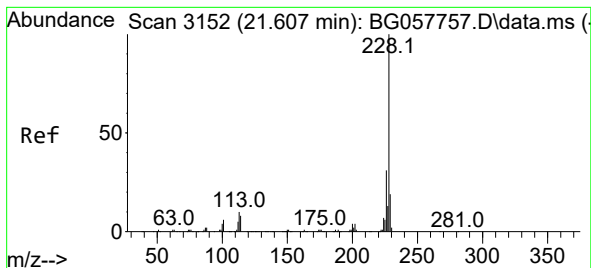
Tgt Ion:244 Resp: 655262
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 8.8 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 2.582 ng
 RT: 21.532 min Scan# 3139
 Delta R.T. -0.005 min
 Lab File: BG057830.D
 Acq: 23 Jun 2023 5:59

Tgt Ion:228 Resp: 43284
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.3 33.5
 229 21.8 16.3 24.5





#83

Chrysene

Concen: 2.405 ng

RT: 21.596 min Scan# 3152

Delta R.T. -0.011 min

Lab File: BG057830.D

Acq: 23 Jun 2023 5:59

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TW-02

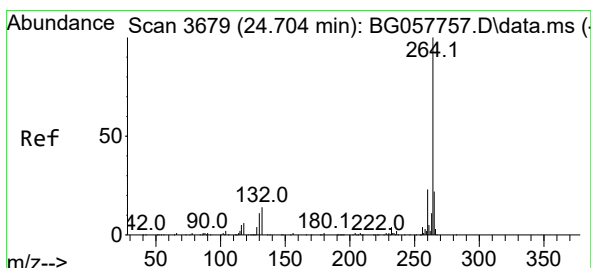
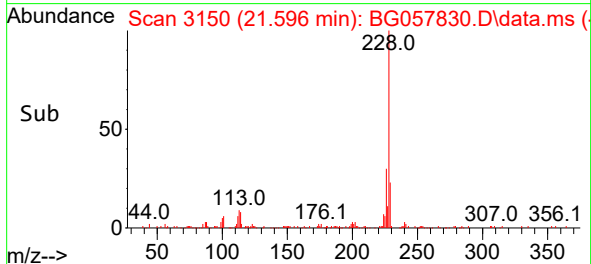
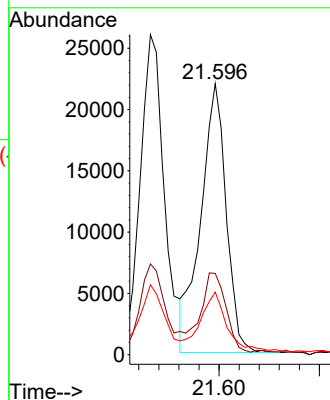
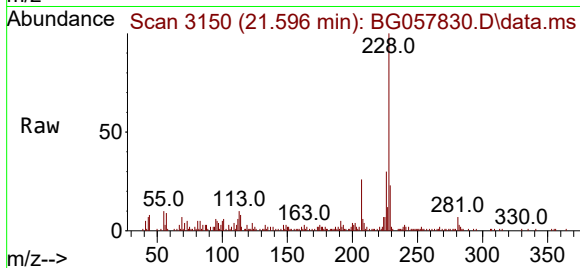
Tgt Ion:228 Resp: 38705

Ion Ratio Lower Upper

228 100

226 30.0 24.8 37.2

229 23.1 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: BG057830.D

Acq: 23 Jun 2023 5:59

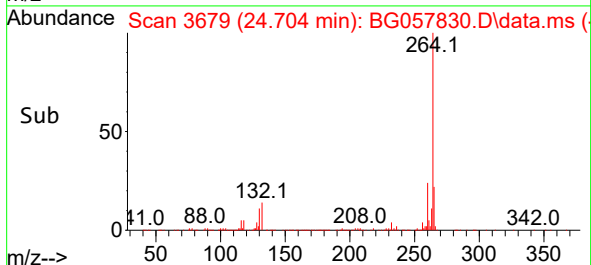
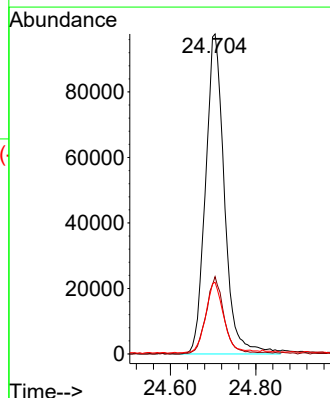
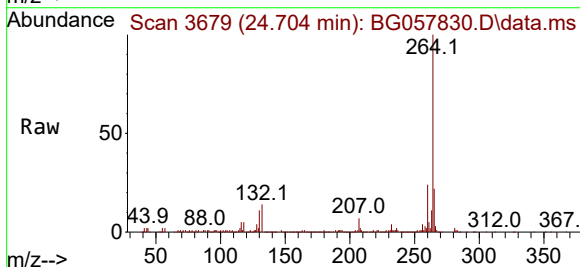
Tgt Ion:264 Resp: 300421

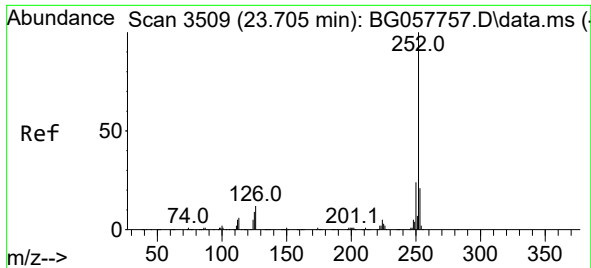
Ion Ratio Lower Upper

264 100

260 24.1 18.5 27.7

265 22.4 17.4 26.2

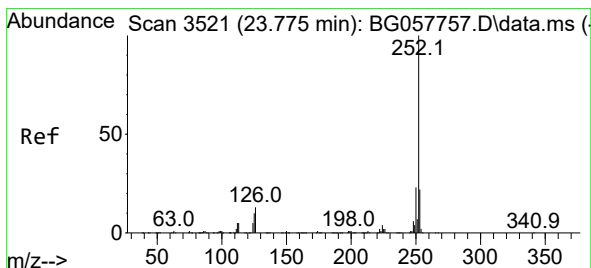
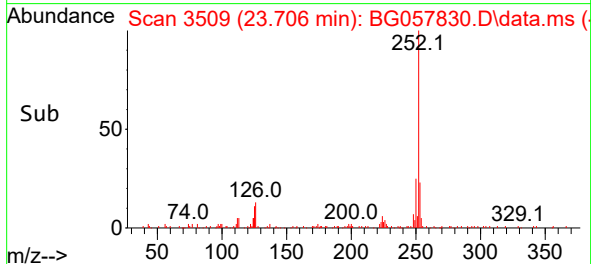
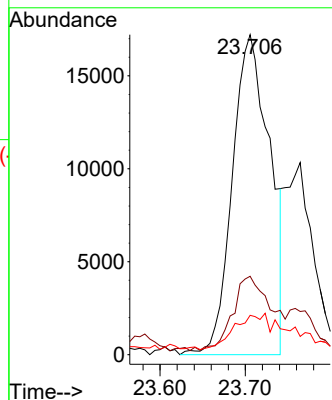
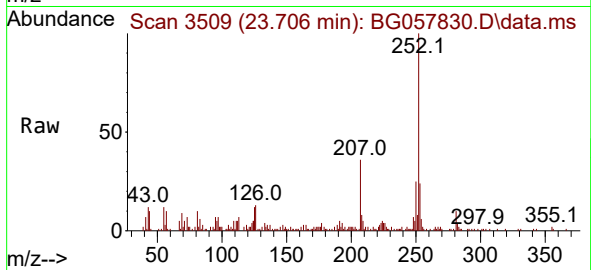




#88
Benzo(b)fluoranthene
Concen: 3.201 ng
RT: 23.706 min Scan# 3509
Delta R.T. 0.001 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

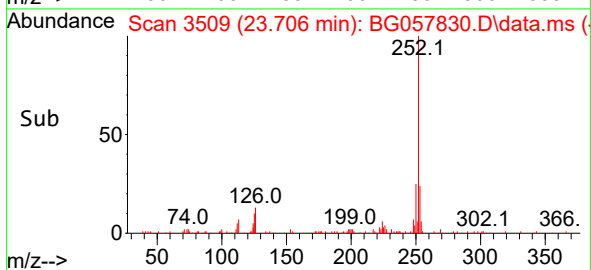
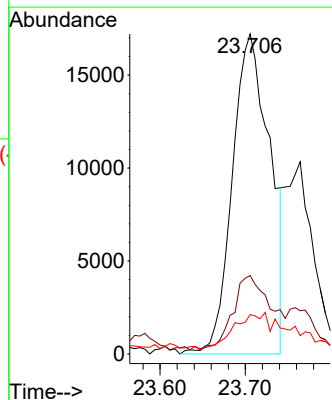
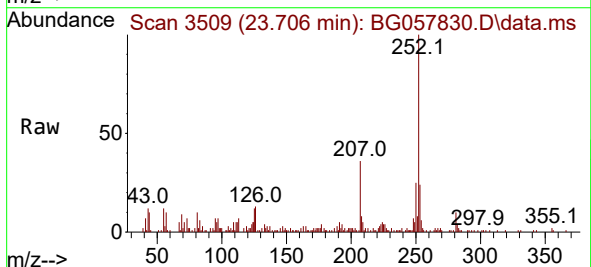
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-02

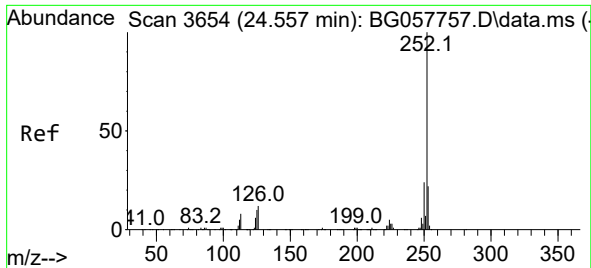
Tgt Ion:252 Resp: 52702
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 12.3 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 3.143 ng
RT: 23.706 min Scan# 3509
Delta R.T. -0.070 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

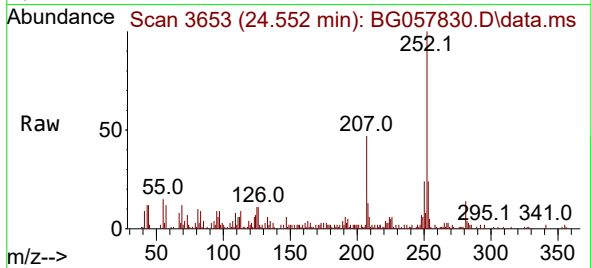
Tgt Ion:252 Resp: 52702
Ion Ratio Lower Upper
252 100
253 24.5 18.0 27.0
125 12.3 7.6 11.4#





#90
 Benzo(a)pyrene
 Concen: 2.505 ng
 RT: 24.552 min Scan# 30
 Delta R.T. -0.005 min
 Lab File: BG057830.D
 Acq: 23 Jun 2023 5:59

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSIT-TW-02



Tgt Ion:252 Resp: 40507
 Ion Ratio Lower Upper
 252 100
 253 24.2 17.4 26.2
 125 11.5 8.0 12.0

