

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
 Data File : BG057779.D
 Acq On : 20 Jun 2023 16:54
 Operator : CG/JU
 Sample : 03255-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSIT-SB-24

Quant Time: Jun 21 01:04:27 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)

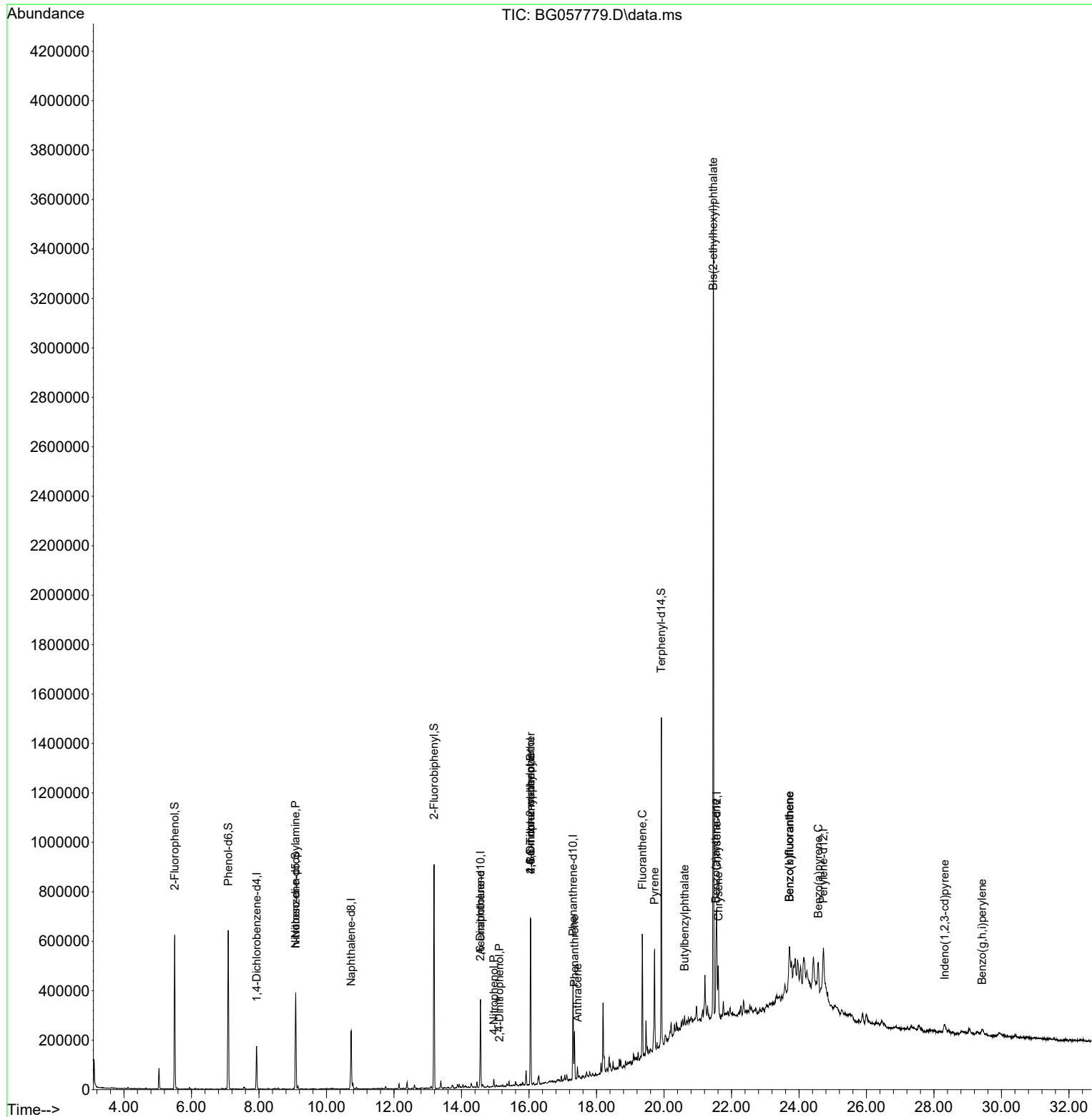
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.930	152	46575	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	197805	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	120679	20.000	ng	0.00
64) Phenanthrene-d10	17.307	188	254332	20.000	ng	0.00
76) Chrysene-d12	21.561	240	200735	20.000	ng	0.00
86) Perylene-d12	24.722	264	222827	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.503	112	259508	85.912	ng	0.00
7) Phenol-d6	7.090	99	365430	79.286	ng	0.00
23) Nitrobenzene-d5	9.087	82	224966	58.371	ng	0.00
42) 2,4,6-Tribromophenol	16.050	330	134867	80.228	ng	0.00
45) 2-Fluorobiphenyl	13.189	172	492085	61.847	ng	0.00
79) Terphenyl-d14	19.922	244	654739	60.820	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.087	70	28434	8.849	ng	# 86
51) 2,6-Dinitrotoluene	14.558	165	16766	9.823	ng	# 19
54) 2,4-Dinitrophenol	15.122	184	55	5.456	ng	# 18
56) 4-Nitrophenol	14.957	139	4923	3.220	ng	# 2
65) 4,6-Dinitro-2-methylph...	16.044	198	256	5.507	ng	# 1
67) 4-Bromophenyl-phenylether	16.050	248	8700	3.225	ng	# 1
71) Phenanthrene	17.348	178	117963	9.579	ng	98
72) Anthracene	17.437	178	32747	2.604	ng	97
75) Fluoranthene	19.358	202	285590	19.468	ng	99
78) Pyrene	19.722	202	267151	18.657	ng	99
80) Butylbenzylphthalate	20.609	149	13362	2.453	ng	96
81) Benzo(a)anthracene	21.538	228	161278	11.710	ng	98
83) Chrysene	21.608	228	157442	11.912	ng	96
84) Bis(2-ethylhexyl)phtha...	21.461	149	1249768	158.023	ng	98
87) Indeno(1,2,3-cd)pyrene	28.318	276	69324	4.758	ng	# 93
88) Benzo(b)fluoranthene	23.717	252	202975	16.623	ng	# 94
89) Benzo(k)fluoranthene	23.717	252	202975	16.321	ng	# 96
90) Benzo(a)pyrene	24.569	252	143321	11.951	ng	# 93
92) Benzo(g,h,i)perylene	29.428	276	55197	4.560	ng	95

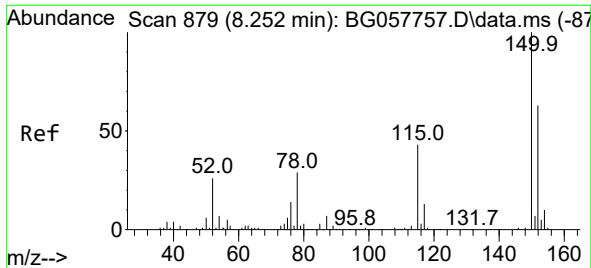
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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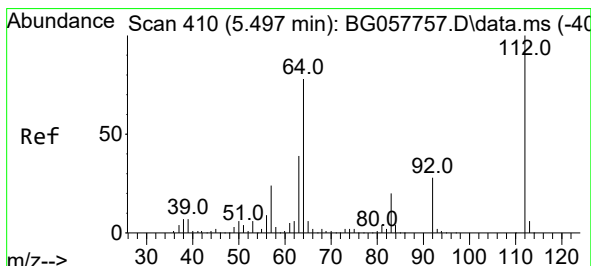
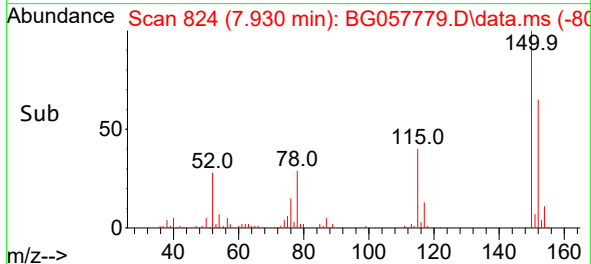
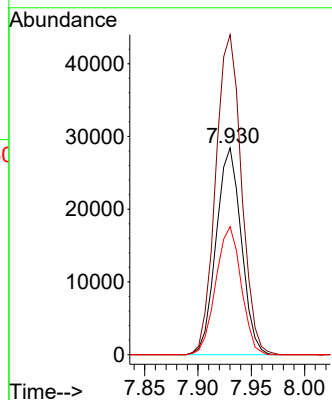
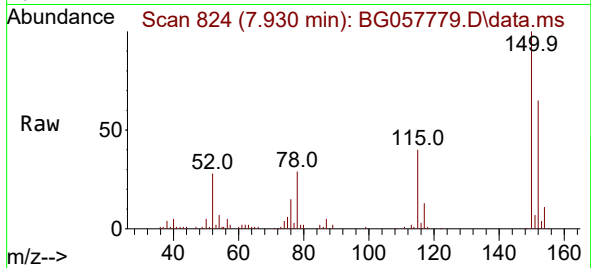




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.930 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

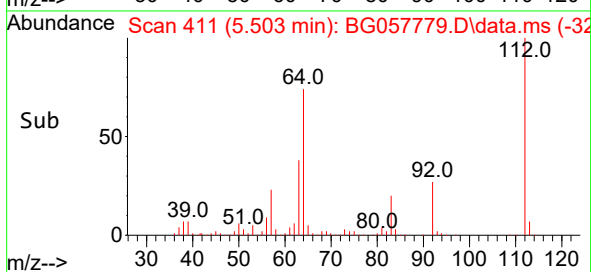
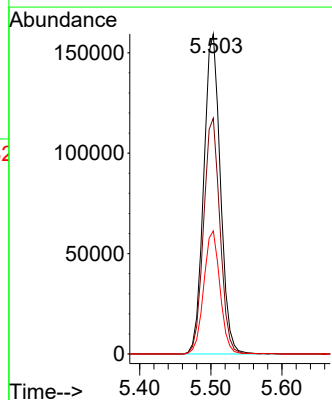
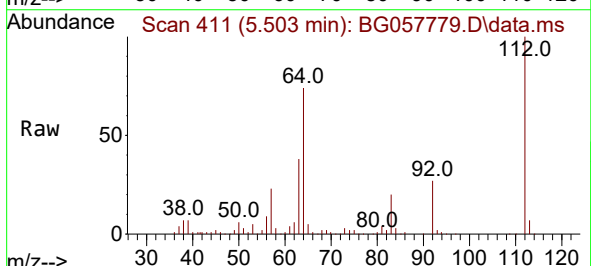
Instrument :
BNA_G
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COMPOSIT-SB-24

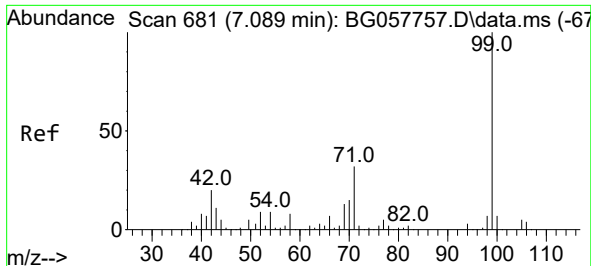
Tgt Ion:152 Resp: 46575
Ion Ratio Lower Upper
152 100
150 154.8 126.6 189.8
115 61.9 48.9 73.3



#5
2-Fluorophenol
Concen: 85.912 ng
RT: 5.503 min Scan# 411
Delta R.T. 0.006 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

Tgt Ion:112 Resp: 259508
Ion Ratio Lower Upper
112 100
64 73.7 62.1 93.1
63 38.5 31.5 47.3

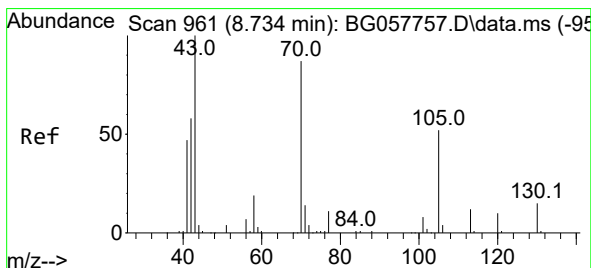
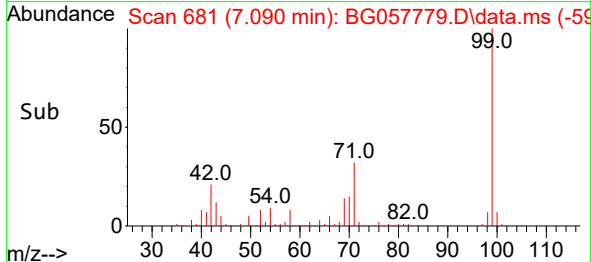
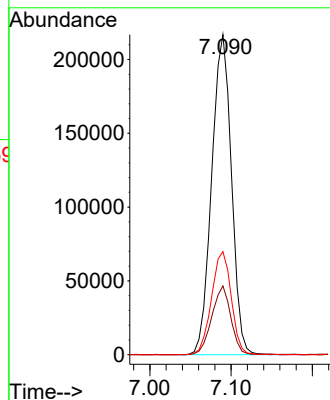
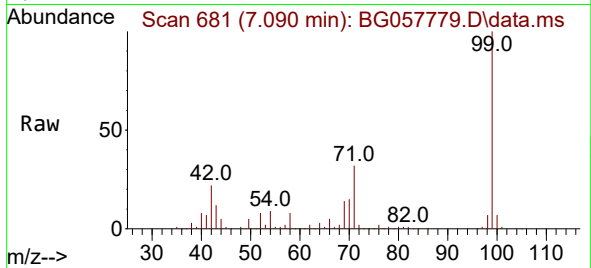




#7
Phenol-d6
Concen: 79.286 ng
RT: 7.090 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

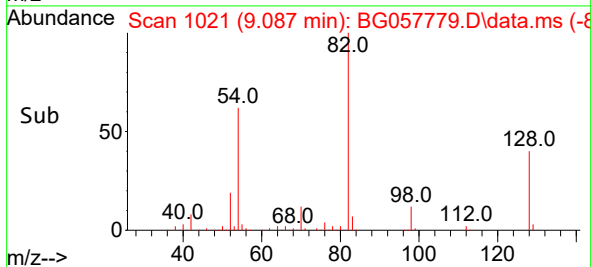
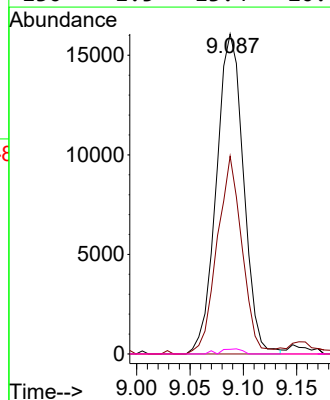
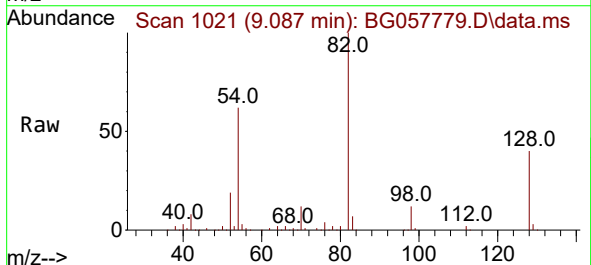
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-SB-24

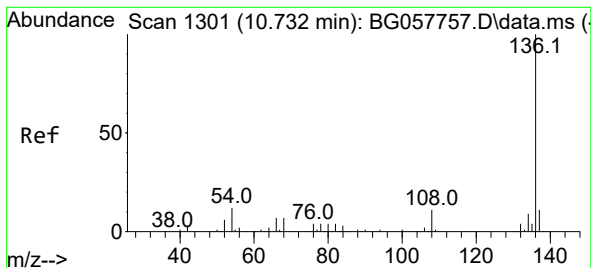
Tgt Ion: 99 Resp: 365430
Ion Ratio Lower Upper
99 100
42 21.5 16.4 24.6
71 32.2 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 8.849 ng
RT: 9.087 min Scan# 1021
Delta R.T. 0.353 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

Tgt Ion: 70 Resp: 28434
Ion Ratio Lower Upper
70 100
42 61.8 54.2 81.2
101 0.0 7.4 11.0#
130 1.5 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.733 min Scan# 11

Delta R.T. 0.001 min

Lab File: BG057779.D

Acq: 20 Jun 2023 16:54

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-SB-24

Tgt Ion:136 Resp: 197805

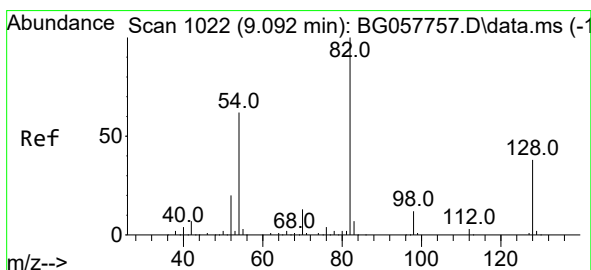
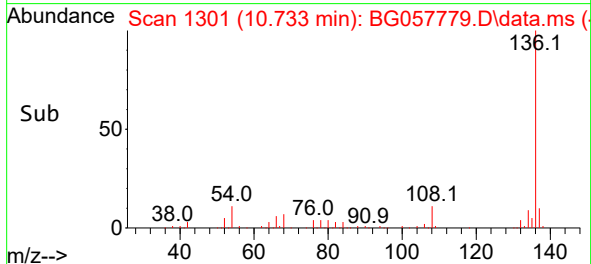
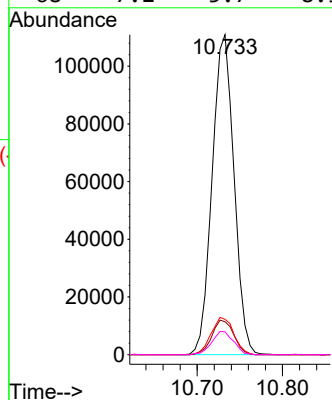
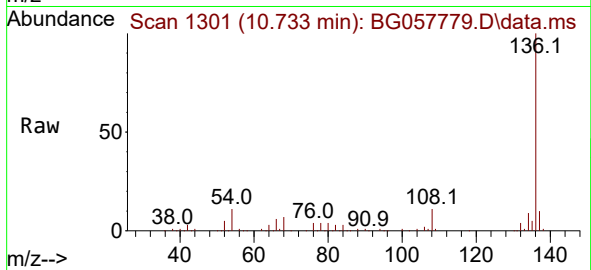
Ion Ratio Lower Upper

136 100

137 10.3 8.5 12.7

54 11.1 9.5 14.3

68 7.2 5.7 8.5



#23

Nitrobenzene-d5

Concen: 58.371 ng

RT: 9.087 min Scan# 1021

Delta R.T. -0.005 min

Lab File: BG057779.D

Acq: 20 Jun 2023 16:54

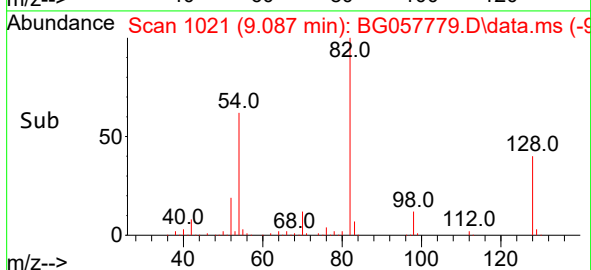
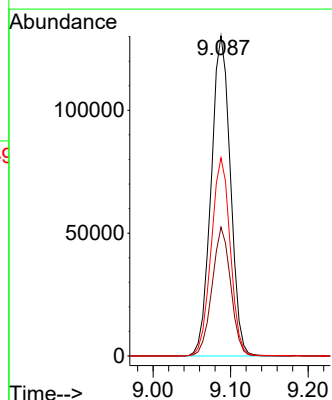
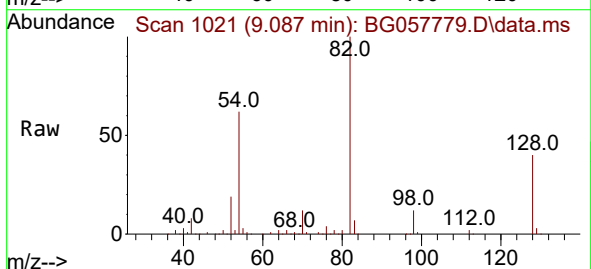
Tgt Ion: 82 Resp: 224966

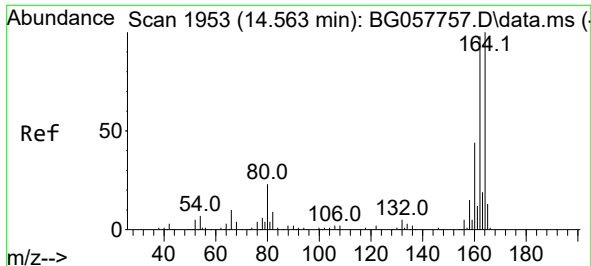
Ion Ratio Lower Upper

82 100

128 40.2 30.7 46.1

54 61.9 49.6 74.4

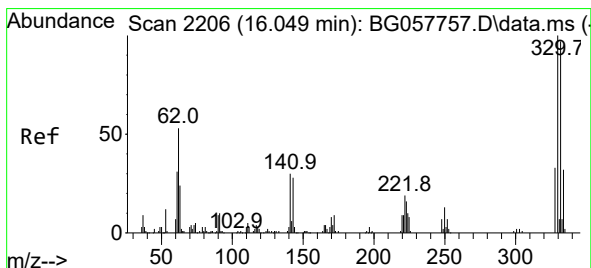
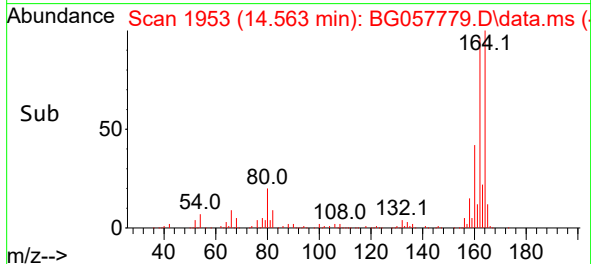
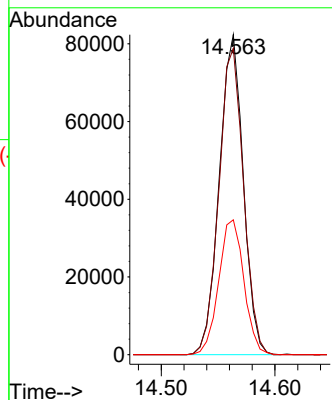
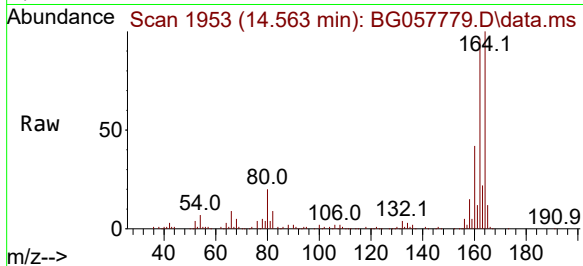




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1953
Delta R.T. 0.001 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

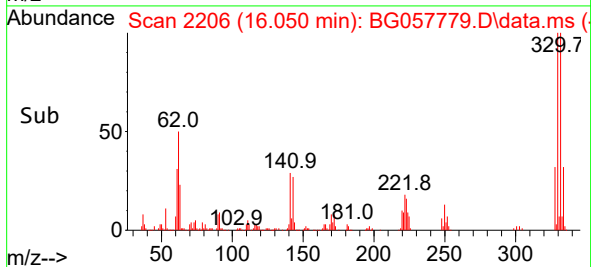
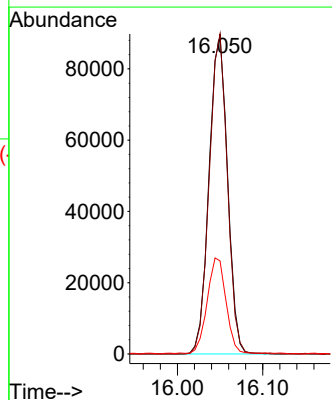
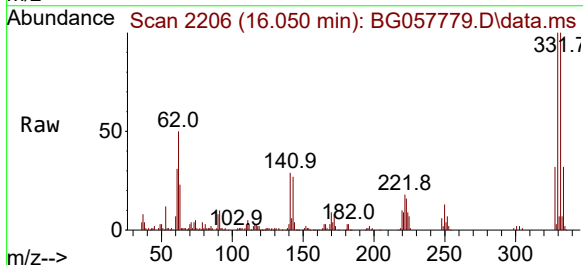
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COMPOSIT-SB-24

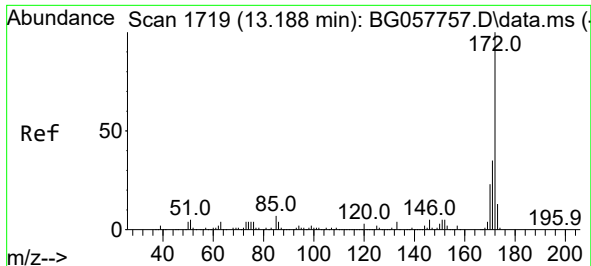
Tgt Ion:164 Resp: 120679
Ion Ratio Lower Upper
164 100
162 95.8 78.3 117.5
160 42.2 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 80.228 ng
RT: 16.050 min Scan# 2206
Delta R.T. 0.001 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

Tgt Ion:330 Resp: 134867
Ion Ratio Lower Upper
330 100
332 98.1 76.6 115.0
141 30.2 24.7 37.1

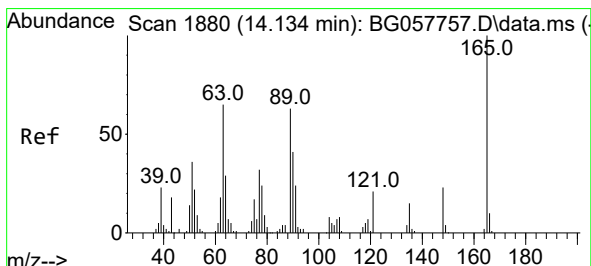
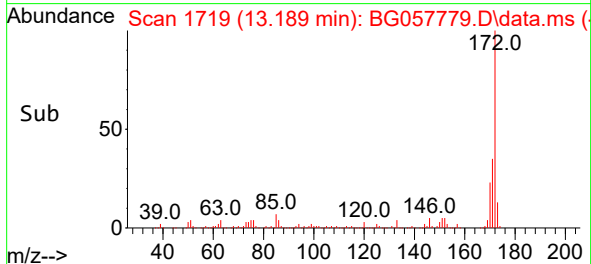
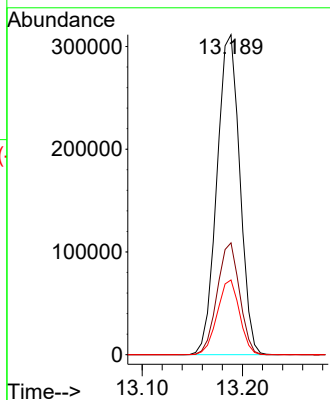
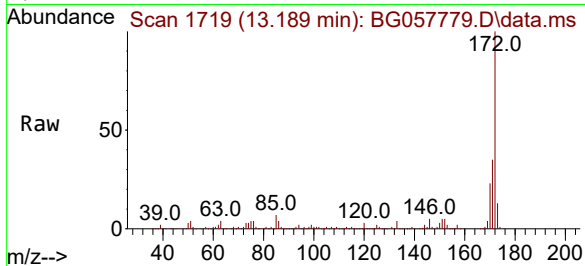




#45
2-Fluorobiphenyl
Concen: 61.847 ng
RT: 13.189 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

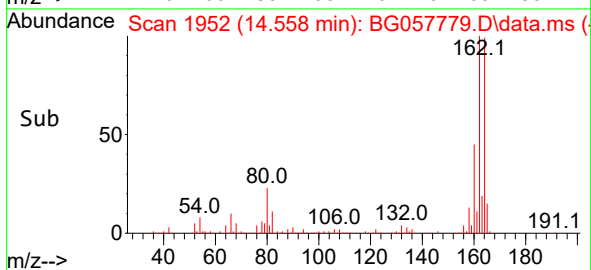
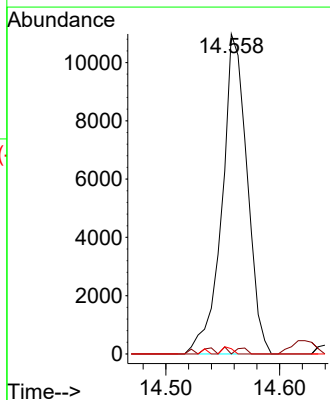
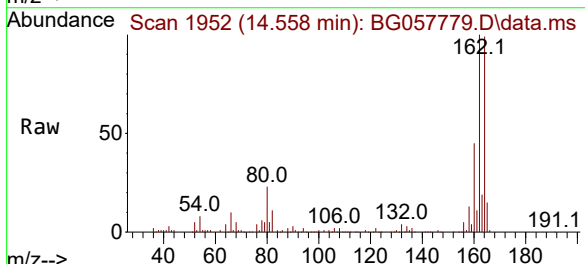
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COMPOSIT-SB-24

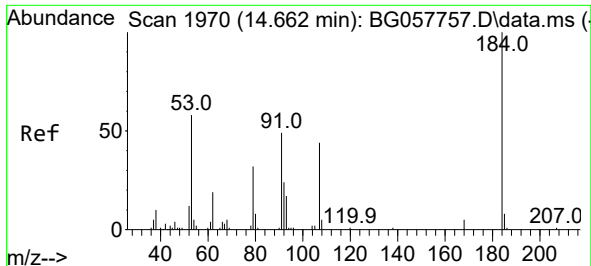
Tgt Ion:172 Resp: 492085
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.3 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.823 ng
RT: 14.558 min Scan# 1952
Delta R.T. 0.424 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

Tgt Ion:165 Resp: 16766
Ion Ratio Lower Upper
165 100
63 0.0 52.8 79.2#
89 1.6 50.7 76.1#

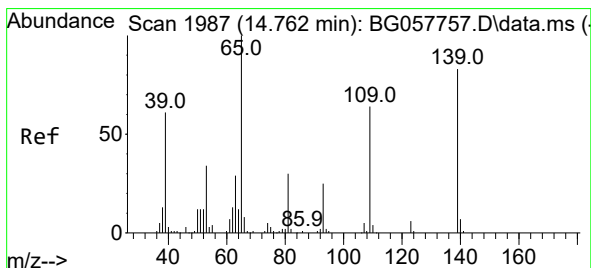
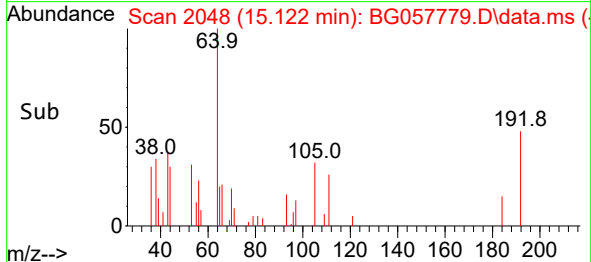
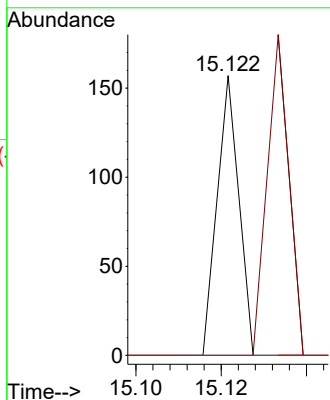
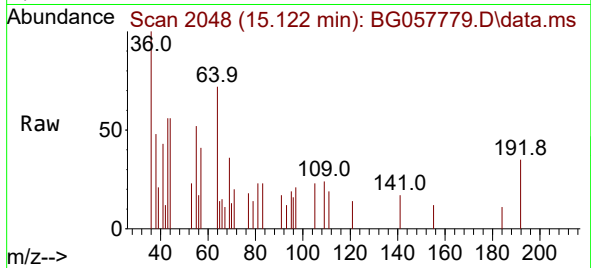




#54
2,4-Dinitrophenol
Concen: 5.456 ng
RT: 15.122 min Scan# 20
Delta R.T. 0.460 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

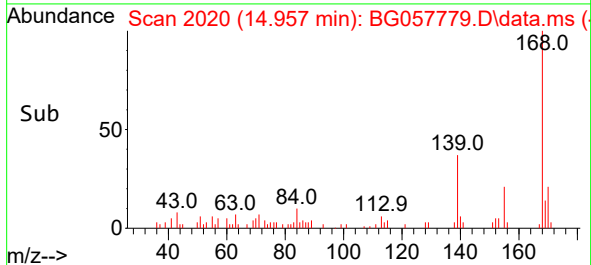
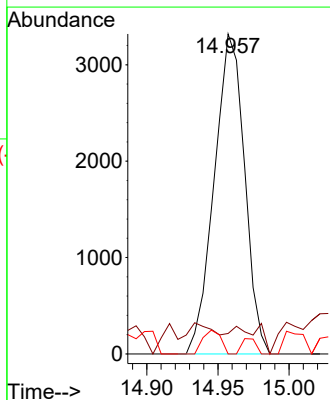
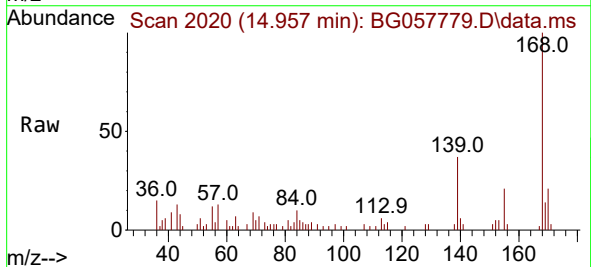
Instrument :
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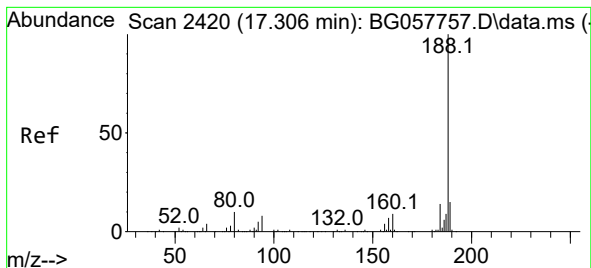
Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 0.0 55.2 82.8#
154 0.0 47.4 71.0#



#56
4-Nitrophenol
Concen: 3.220 ng
RT: 14.957 min Scan# 2020
Delta R.T. 0.195 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

Tgt Ion:139 Resp: 4923
Ion Ratio Lower Upper
139 100
109 6.4 57.3 97.3#
65 0.0 100.0 140.0#

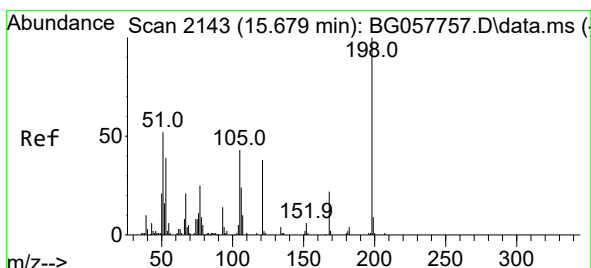
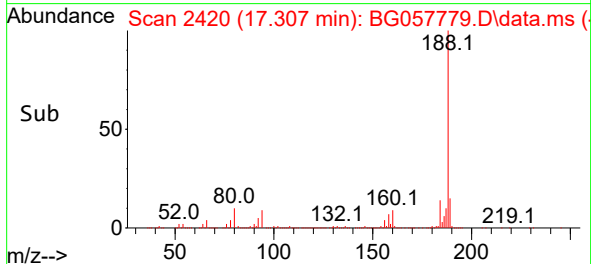
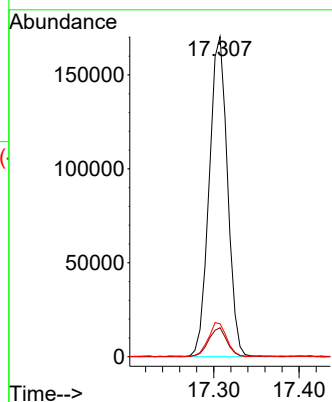
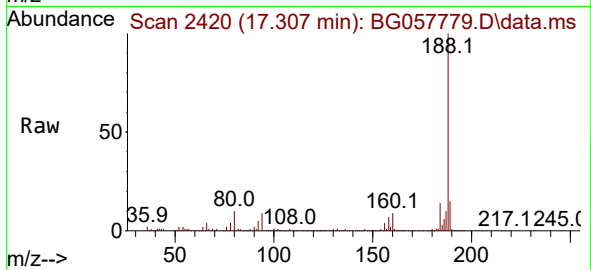




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.307 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

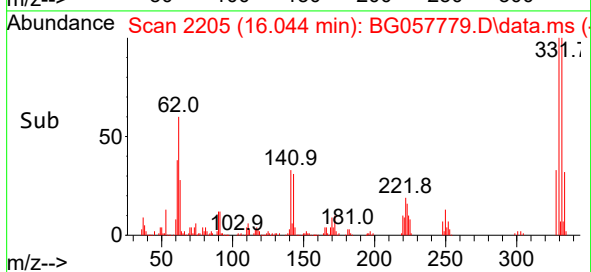
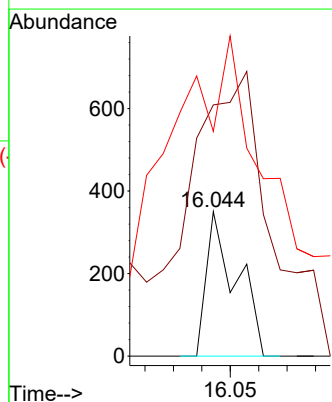
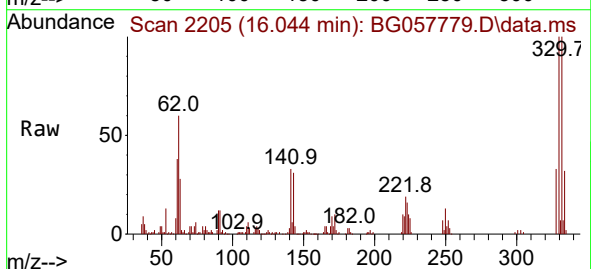
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-SB-24

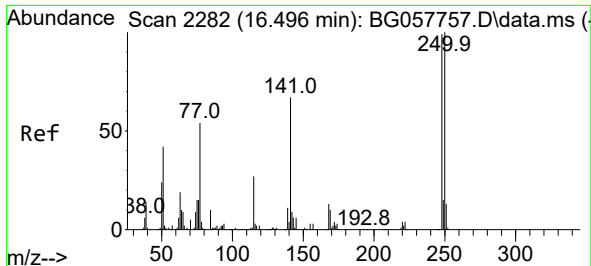
Tgt Ion:188 Resp: 254332
Ion Ratio Lower Upper
188 100
94 9.0 6.6 9.8
80 10.3 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.507 ng
RT: 16.044 min Scan# 2205
Delta R.T. 0.365 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

Tgt Ion:198 Resp: 256
Ion Ratio Lower Upper
198 100
51 174.0 36.6 76.6#
105 155.7 24.3 64.3#

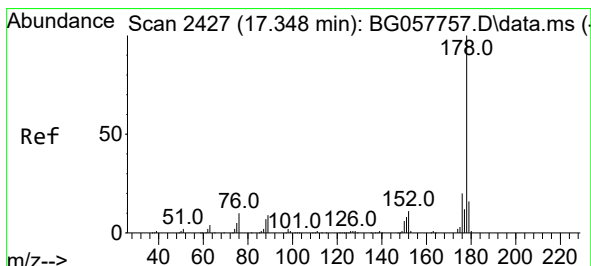
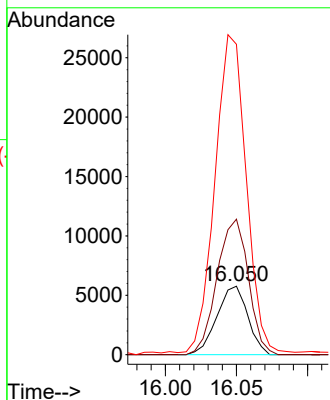
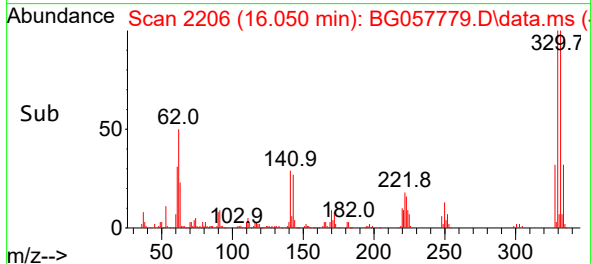
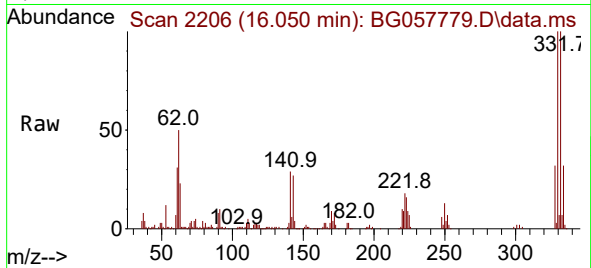




#67
4-Bromophenyl-phenylether
Concen: 3.225 ng
RT: 16.050 min Scan# 21
Delta R.T. -0.446 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

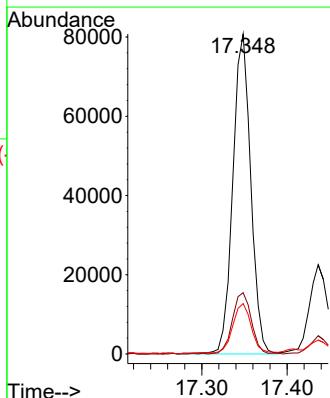
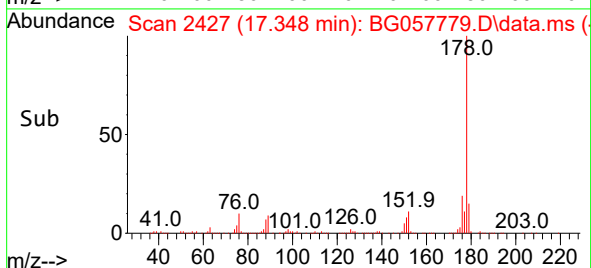
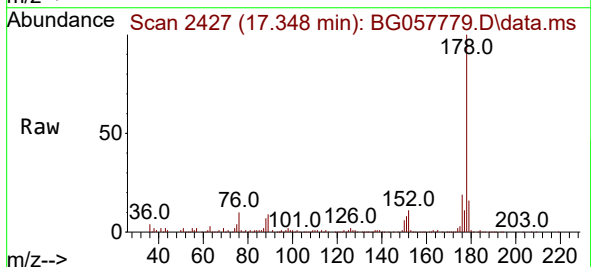
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-SB-24

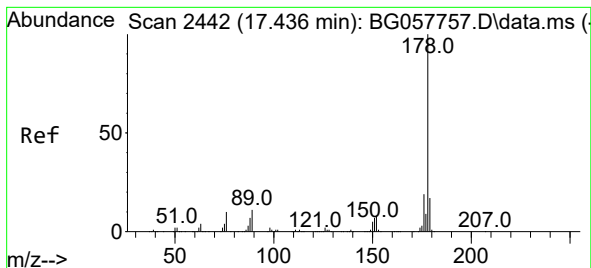
Tgt Ion:248 Resp: 8700
Ion Ratio Lower Upper
248 100
250 197.8 81.1 121.7#
141 453.1 54.6 81.8#



#71
Phenanthrene
Concen: 9.579 ng
RT: 17.348 min Scan# 2427
Delta R.T. 0.001 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

Tgt Ion:178 Resp: 117963
Ion Ratio Lower Upper
178 100
176 19.1 16.3 24.5
179 15.7 13.0 19.6





#72

Anthracene

Concen: 2.604 ng

RT: 17.437 min Scan# 2442

Delta R.T. 0.001 min

Lab File: BG057779.D

Acq: 20 Jun 2023 16:54

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-SB-24

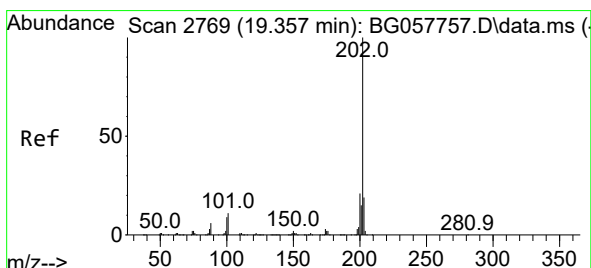
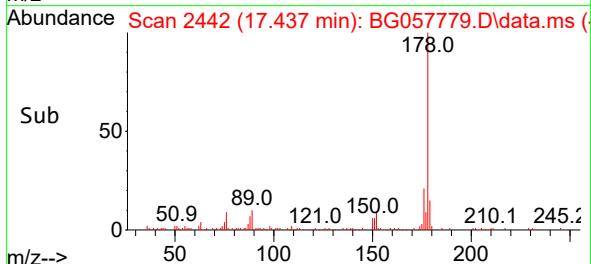
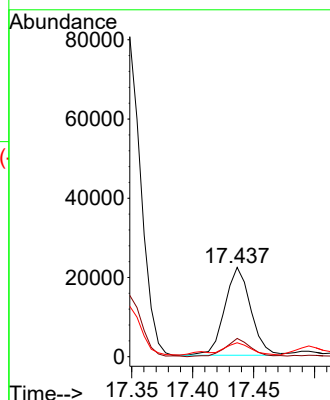
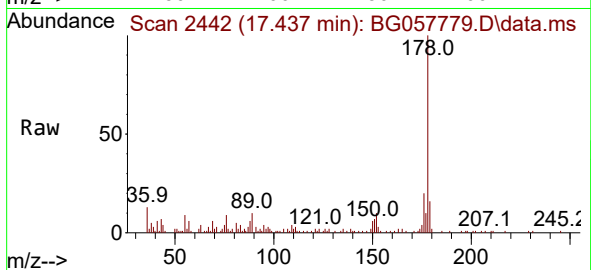
Tgt Ion:178 Resp: 32747

Ion Ratio Lower Upper

178 100

176 20.5 15.4 23.0

179 15.5 13.3 19.9



#75

Fluoranthene

Concen: 19.468 ng

RT: 19.358 min Scan# 2769

Delta R.T. 0.001 min

Lab File: BG057779.D

Acq: 20 Jun 2023 16:54

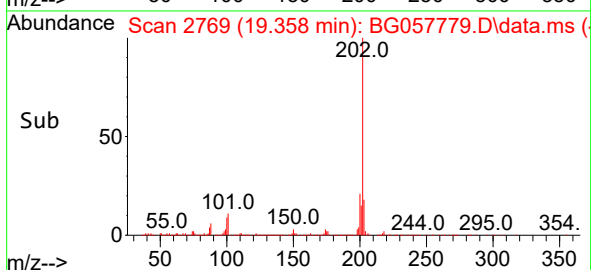
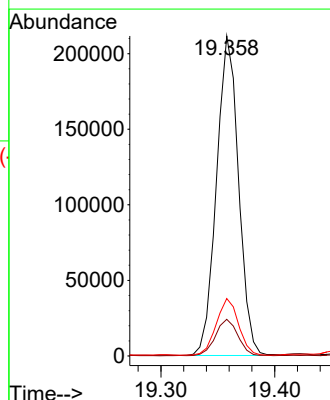
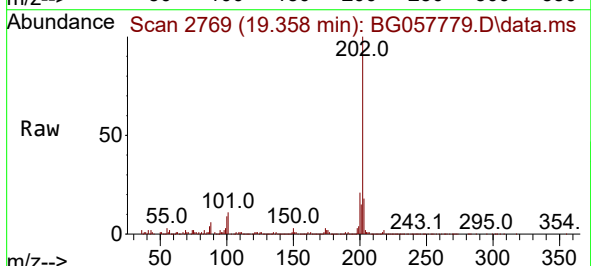
Tgt Ion:202 Resp: 285590

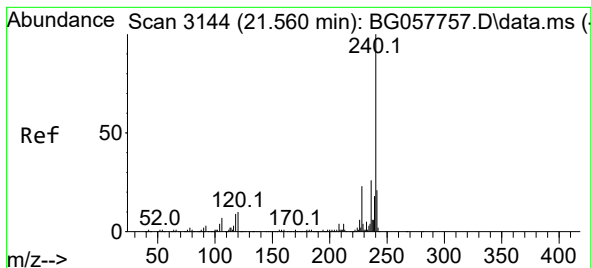
Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.3

203 18.0 0.0 38.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.561 min Scan# 31

Delta R.T. 0.001 min

Lab File: BG057779.D

Acq: 20 Jun 2023 16:54

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-SB-24

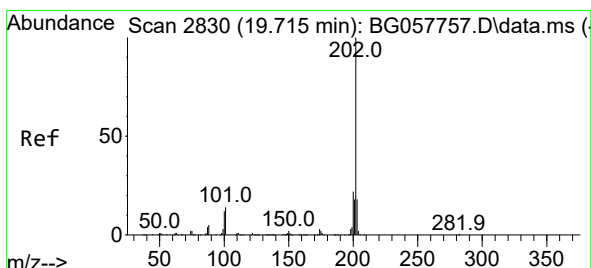
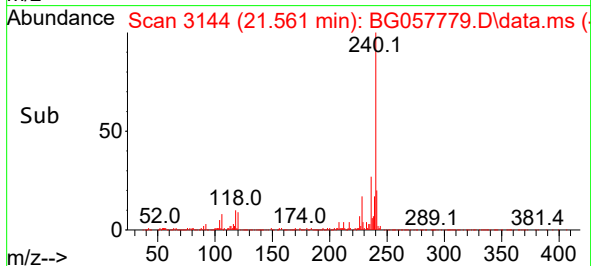
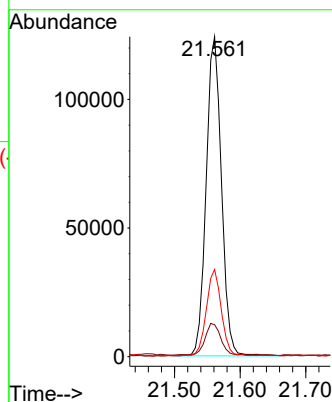
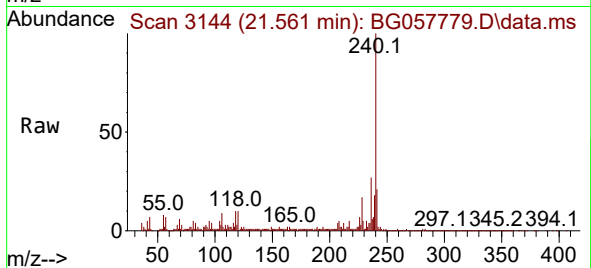
Tgt Ion:240 Resp: 200735

Ion Ratio Lower Upper

240 100

120 10.0 8.1 12.1

236 27.2 20.6 30.8



#78

Pyrene

Concen: 18.657 ng

RT: 19.722 min Scan# 2831

Delta R.T. 0.007 min

Lab File: BG057779.D

Acq: 20 Jun 2023 16:54

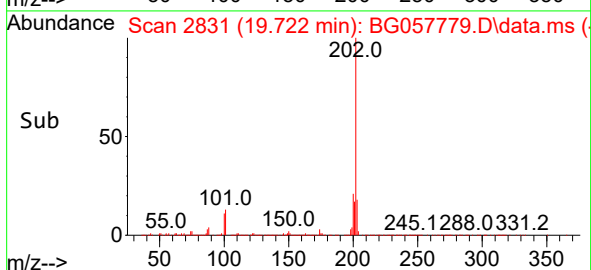
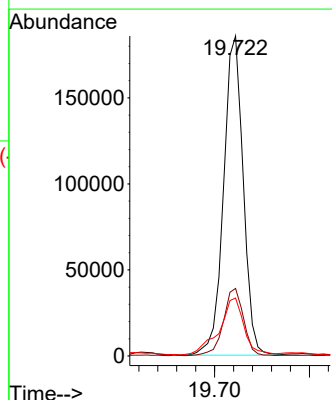
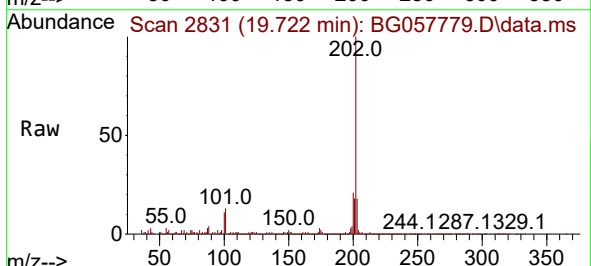
Tgt Ion:202 Resp: 267151

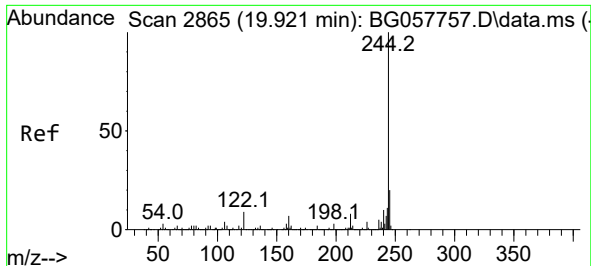
Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.0

203 18.1 14.6 22.0

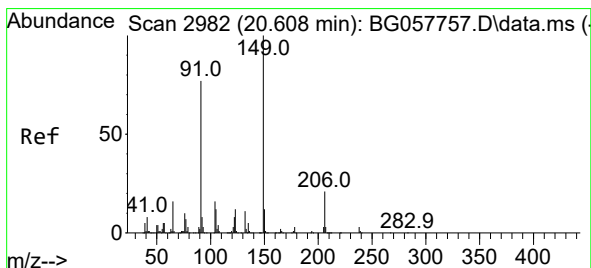
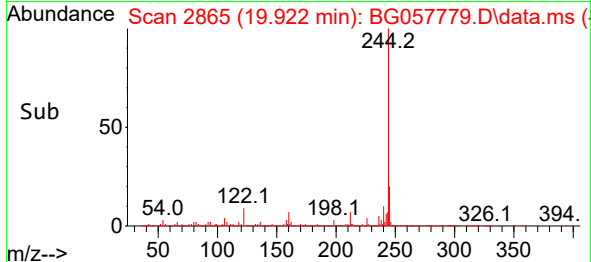
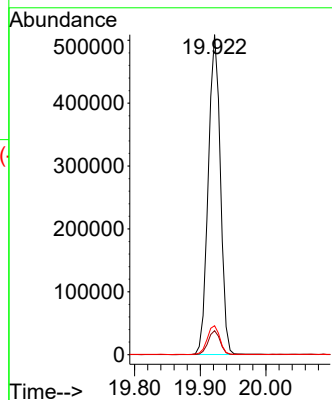
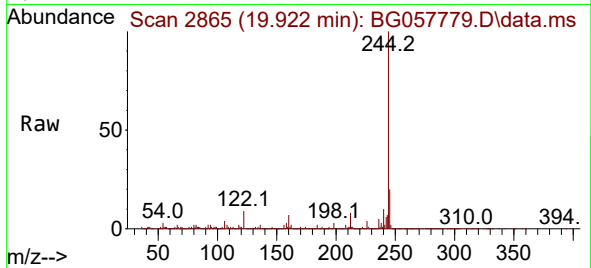




#79
 Terphenyl-d14
 Concen: 60.820 ng
 RT: 19.922 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG057779.D
 Acq: 20 Jun 2023 16:54

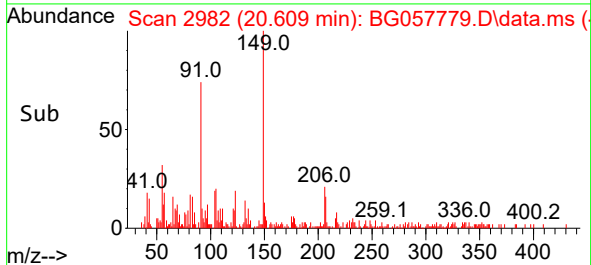
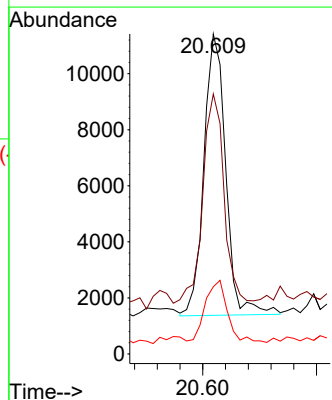
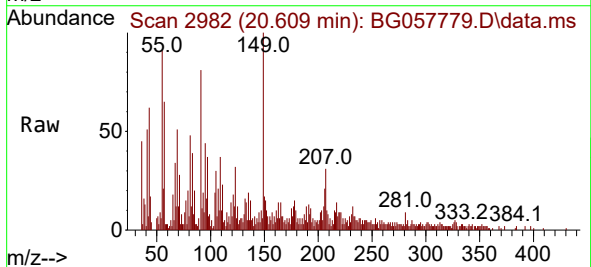
Instrument :
 BNA_G
 ClientSampleId :
 COMPOSIT-SB-24

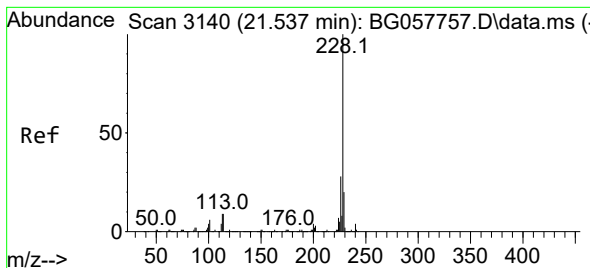
Tgt Ion:244 Resp: 654739
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 9.1 7.6 11.4



#80
 Butylbenzylphthalate
 Concen: 2.453 ng
 RT: 20.609 min Scan# 2982
 Delta R.T. 0.001 min
 Lab File: BG057779.D
 Acq: 20 Jun 2023 16:54

Tgt Ion:149 Resp: 13362
 Ion Ratio Lower Upper
 149 100
 91 81.2 61.7 92.5
 206 21.0 16.6 24.8





#81

Benzo(a)anthracene

Concen: 11.710 ng

RT: 21.538 min Scan# 3140

Delta R.T. 0.001 min

Lab File: BG057779.D

Acq: 20 Jun 2023 16:54

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-SB-24

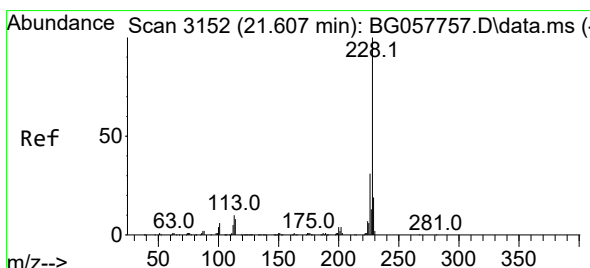
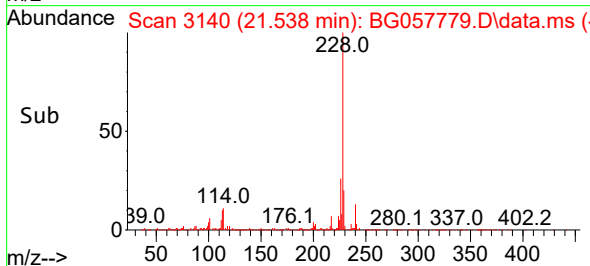
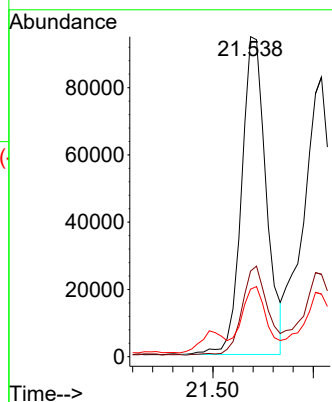
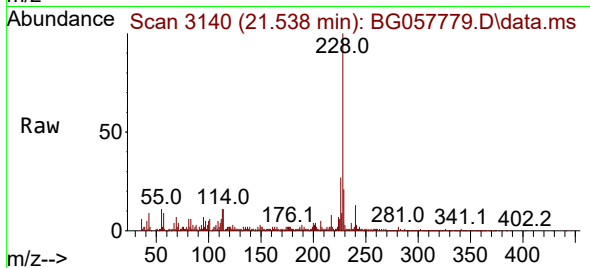
Tgt Ion:228 Resp: 161278

Ion Ratio Lower Upper

228 100

226 26.8 22.3 33.5

229 21.1 16.3 24.5



#83

Chrysene

Concen: 11.912 ng

RT: 21.608 min Scan# 3152

Delta R.T. 0.001 min

Lab File: BG057779.D

Acq: 20 Jun 2023 16:54

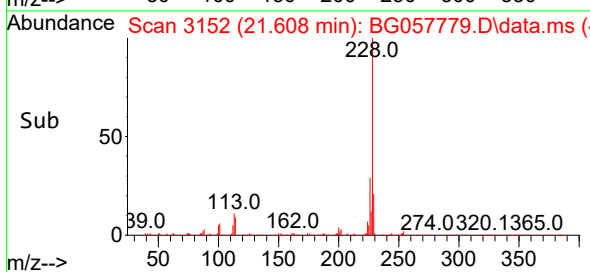
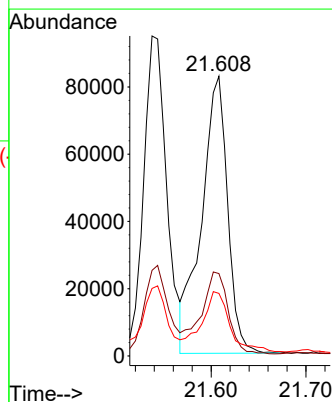
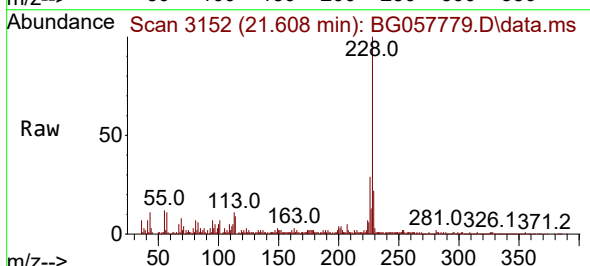
Tgt Ion:228 Resp: 157442

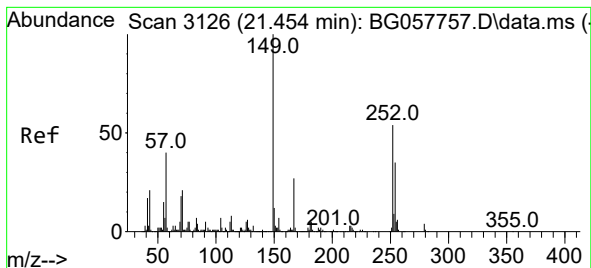
Ion Ratio Lower Upper

228 100

226 29.5 24.8 37.2

229 22.4 15.6 23.4

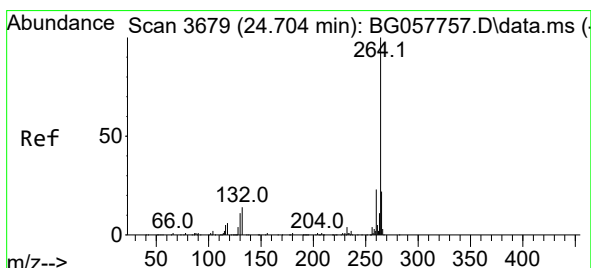
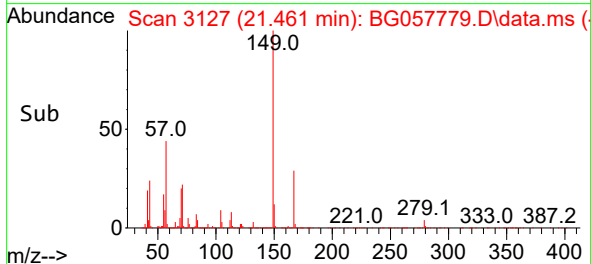
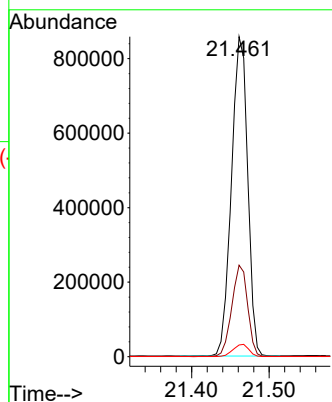
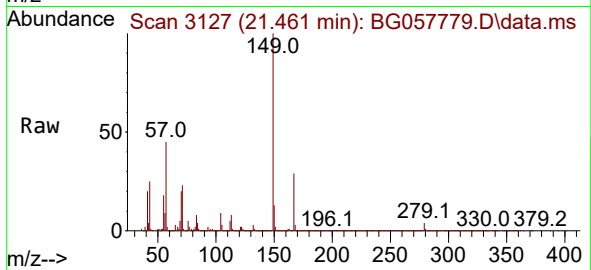




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 158.023 ng
 RT: 21.461 min Scan# 3127
 Delta R.T. 0.007 min
 Lab File: BG057779.D
 Acq: 20 Jun 2023 16:54

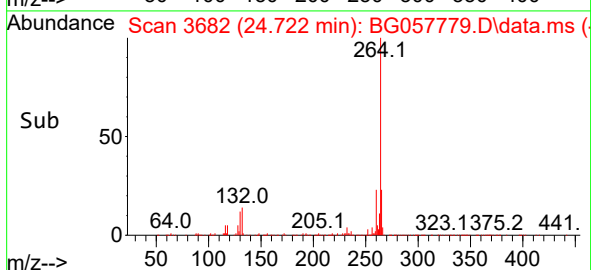
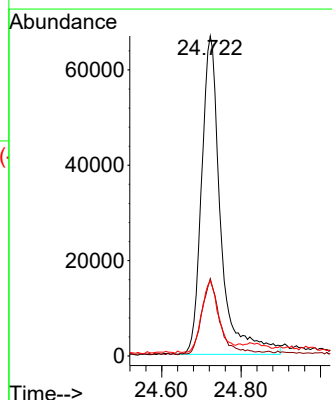
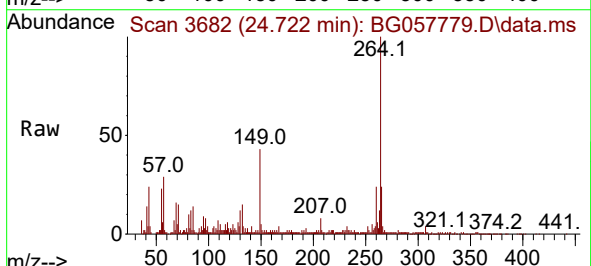
Instrument :
 BNA_G
 ClientSampleId :
 COMPOSIT-SB-24

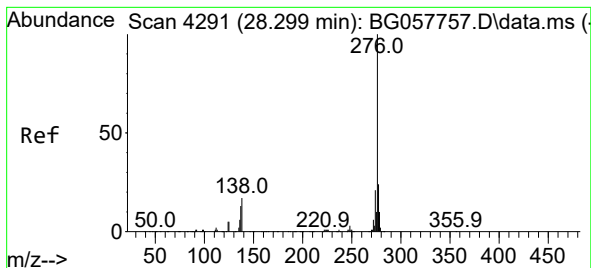
Tgt Ion:149 Resp: 1249768
 Ion Ratio Lower Upper
 149 100
 167 28.6 21.8 32.8
 279 3.6 2.9 4.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.722 min Scan# 3682
 Delta R.T. 0.018 min
 Lab File: BG057779.D
 Acq: 20 Jun 2023 16:54

Tgt Ion:264 Resp: 222827
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.5 27.7
 265 23.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.758 ng

RT: 28.318 min Scan# 41

Delta R.T. 0.018 min

Lab File: BG057779.D

Acq: 20 Jun 2023 16:54

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-SB-24

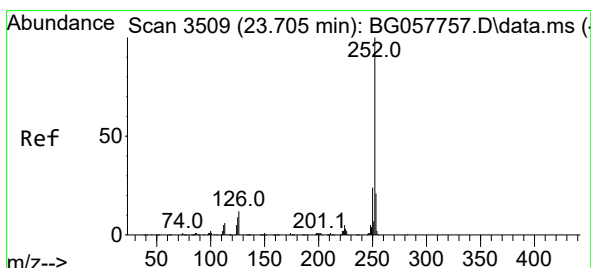
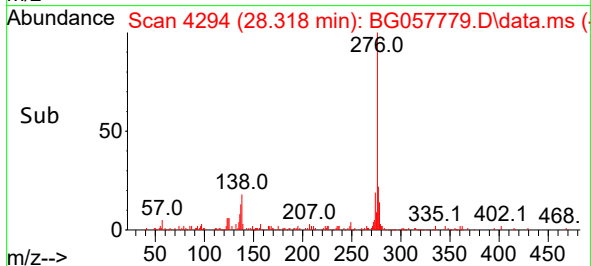
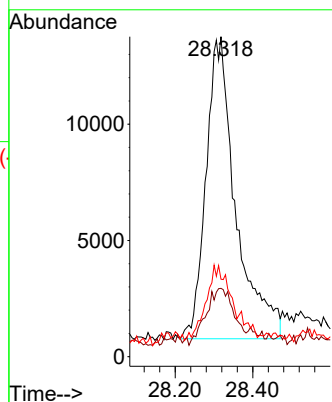
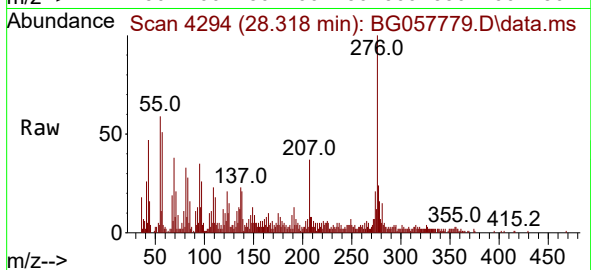
Tgt Ion:276 Resp: 69324

Ion Ratio Lower Upper

276 100

138 17.8 11.3 16.9#

277 22.9 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 16.623 ng

RT: 23.717 min Scan# 3511

Delta R.T. 0.013 min

Lab File: BG057779.D

Acq: 20 Jun 2023 16:54

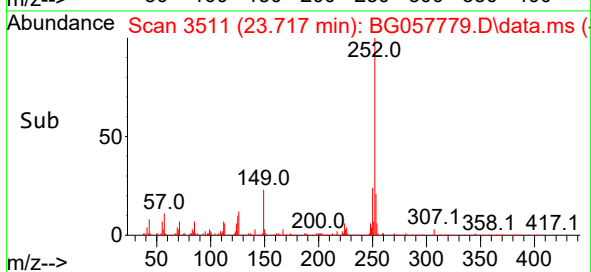
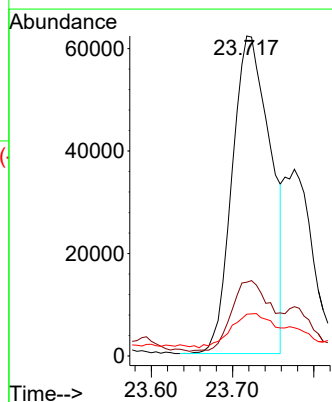
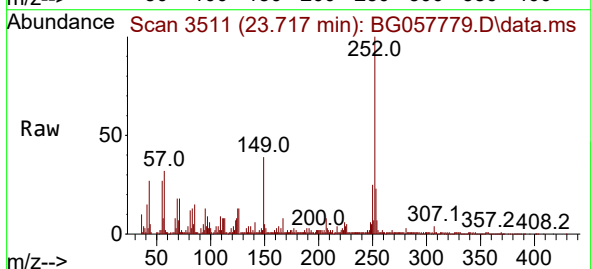
Tgt Ion:252 Resp: 202975

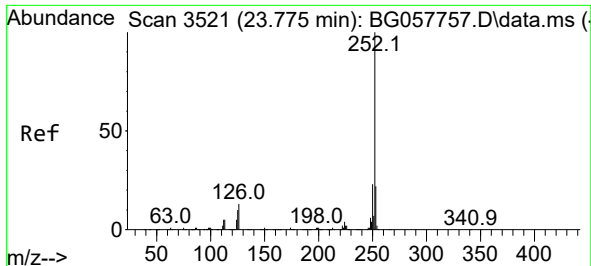
Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

125 13.1 7.4 11.0#

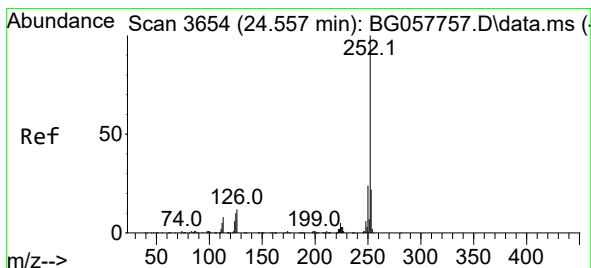
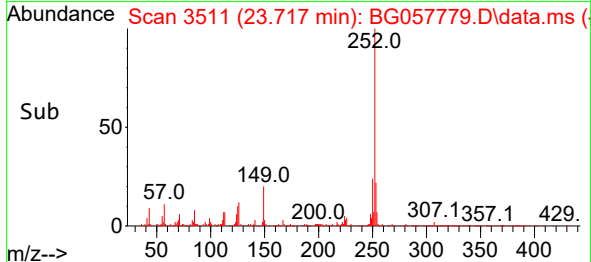
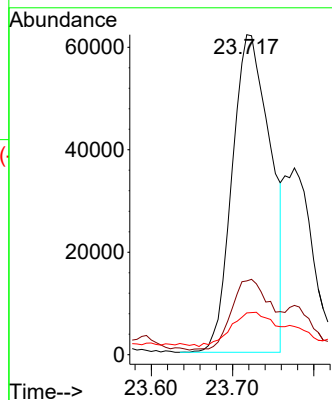
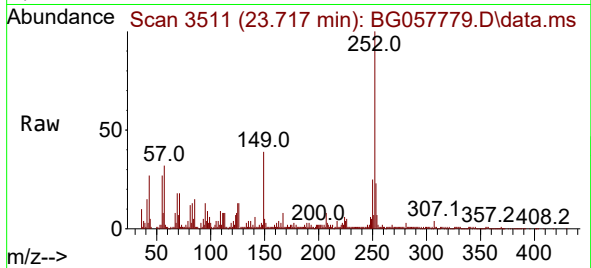




#89
Benzo(k)fluoranthene
Concen: 16.321 ng
RT: 23.717 min Scan# 3511
Delta R.T. -0.058 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

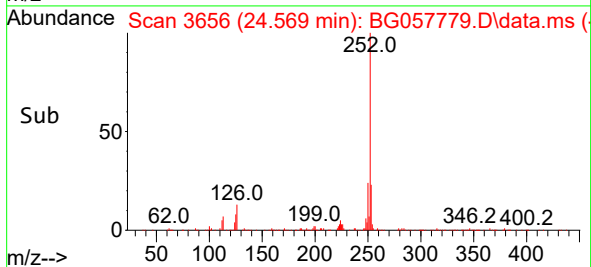
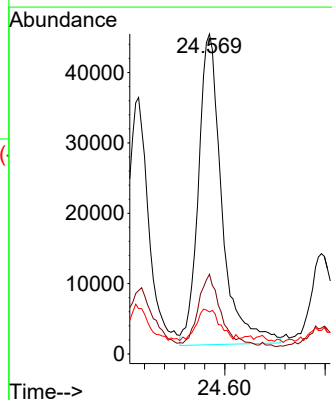
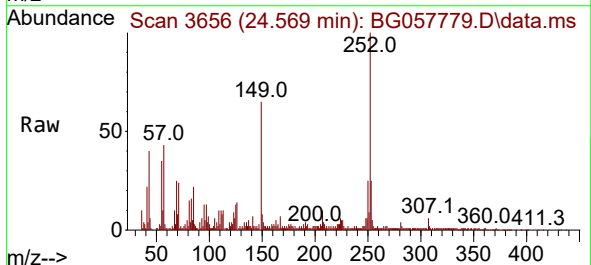
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-SB-24

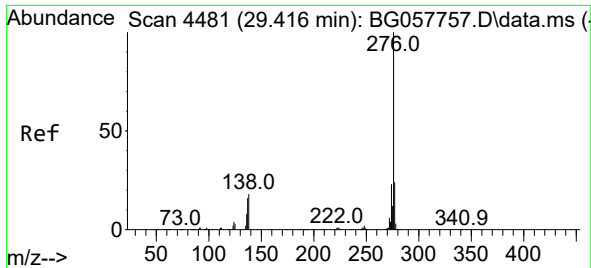
Tgt Ion:252 Resp: 202975
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 13.1 7.6 11.4#



#90
Benzo(a)pyrene
Concen: 11.951 ng
RT: 24.569 min Scan# 3656
Delta R.T. 0.013 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

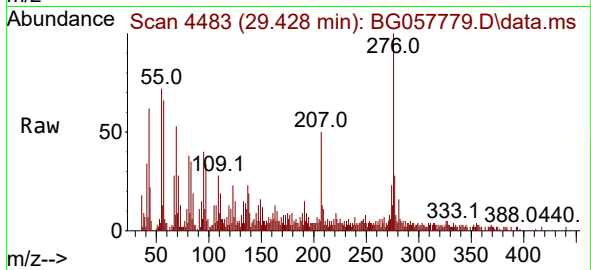
Tgt Ion:252 Resp: 143321
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.2
125 13.1 8.0 12.0#





#92
Benzo(g,h,i)perylene
Concen: 4.560 ng
RT: 29.428 min Scan# 44
Delta R.T. 0.013 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

Instrument :
BNA_G
ClientSampleId :
COMPOSIT-SB-24



Tgt Ion:	276	Resp:	55197
Ion	Ratio	Lower	Upper
276	100		
277	27.8	19.4	29.0
138	18.9	14.2	21.4

