

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)

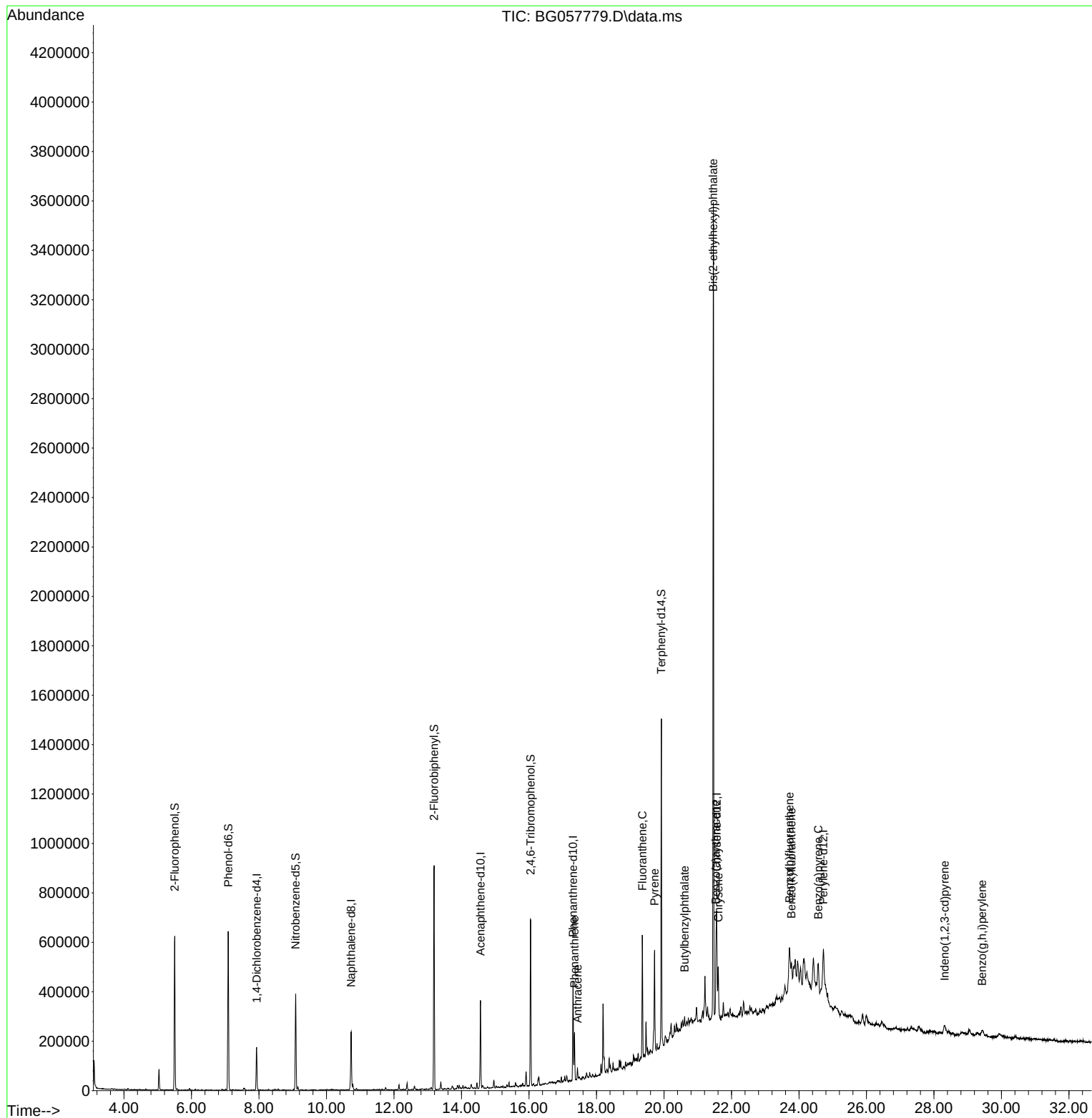
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.930	152	46575	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	197805	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	120679	20.000	ng	0.00
64) Phenanthrene-d10	17.307	188	254332	20.000	ng	0.00
76) Chrysene-d12	21.561	240	200735	20.000	ng	0.00
86) Perylene-d12	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
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	23.776	252	94591m	7.606	ng	
90) Benzo(a)pyrene	24.569	252	143321	11.951	ng	# 93
92) Benzo(g,h,i)perylene	29.428	276	62745m	5.184	ng	

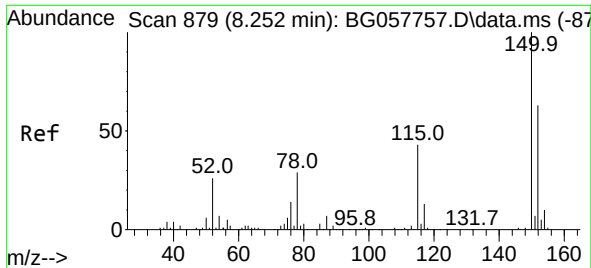
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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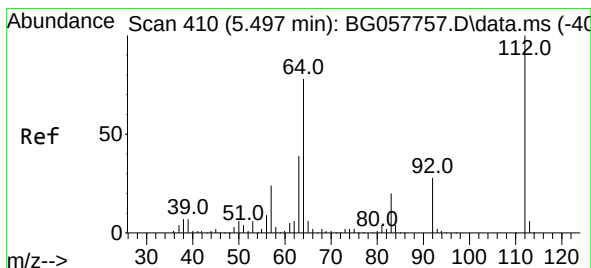
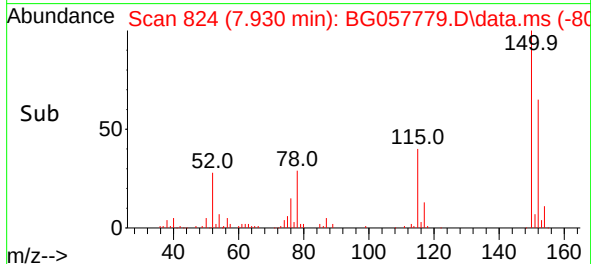
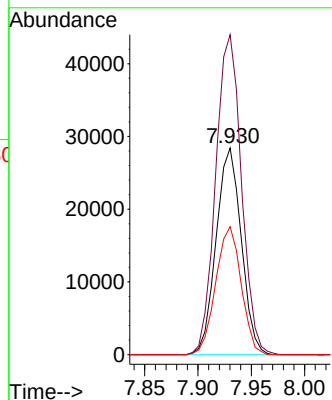
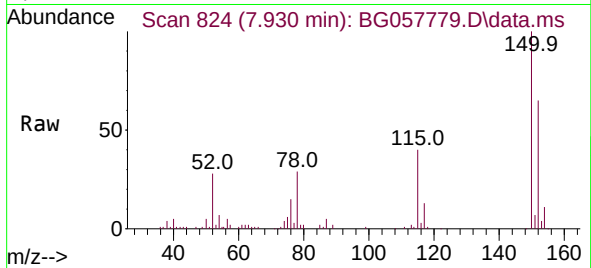




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.930 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

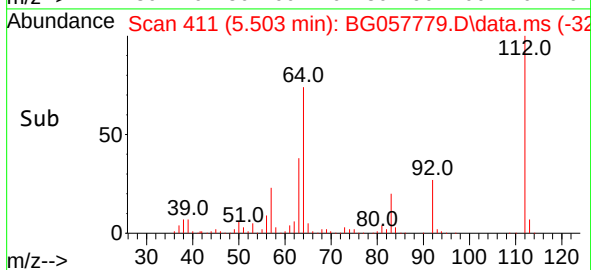
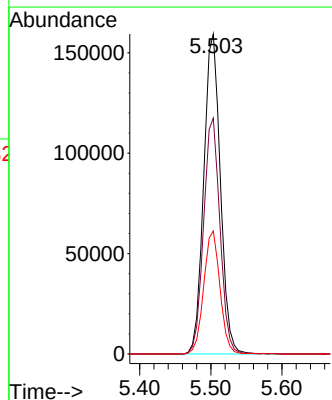
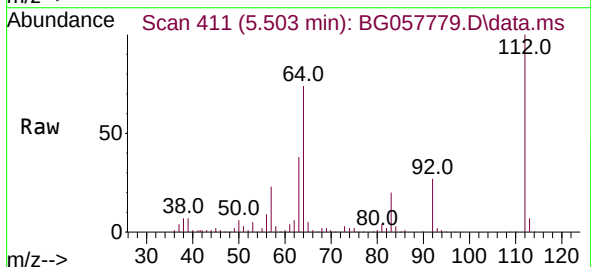
Instrument :
BNA_G
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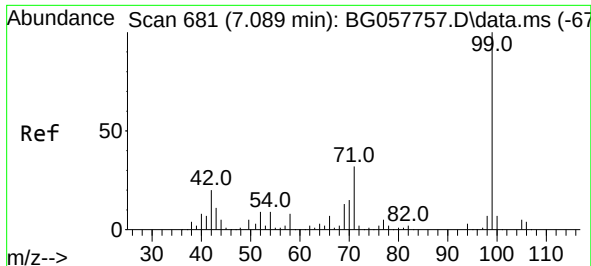
Tgt Ion:152 Resp: 46575
Ion Ratio Lower Upper
152 100
150 154.8 126.6 189.8
115 61.9 48.9 73.3



#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

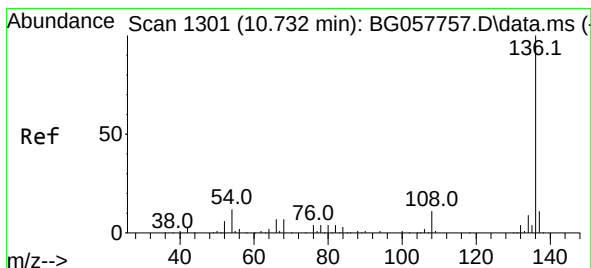
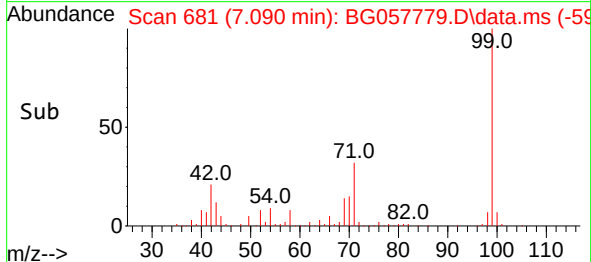
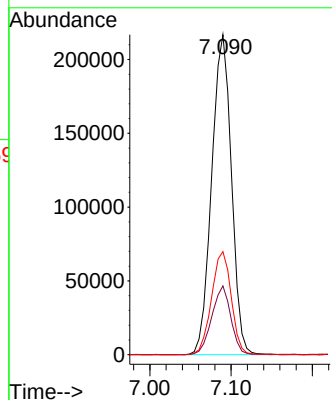
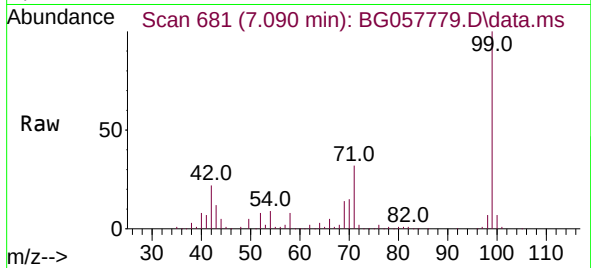




#7
Phenol-d6
Concen: 79.286 ng
RT: 7.090 min Scan# 681
Delta R.T. 0.001 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

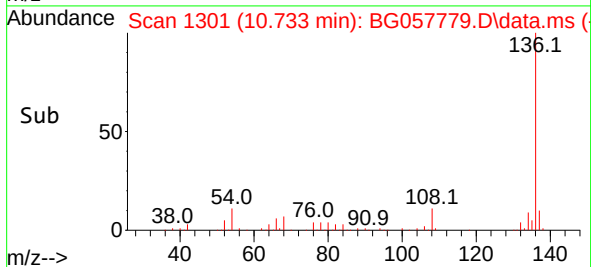
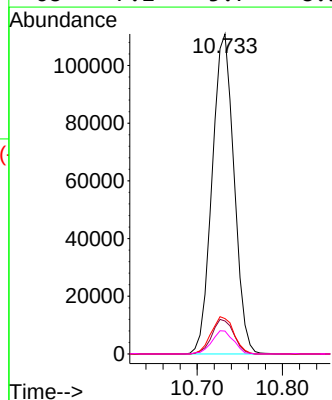
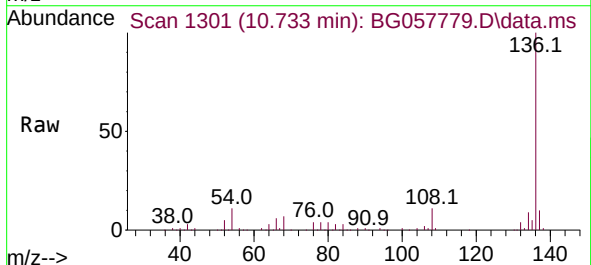
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-SB-24

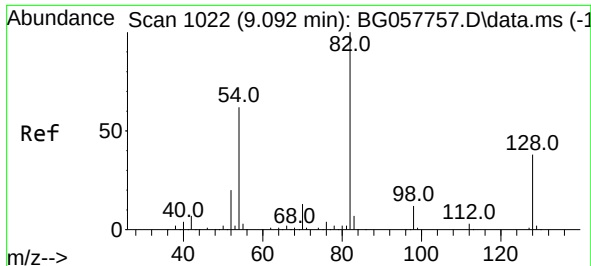
Tgt Ion: 99 Resp: 365430
Ion Ratio Lower Upper
99 100
42 21.5 16.4 24.6
71 32.2 25.8 38.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.733 min Scan# 1301
Delta R.T. 0.001 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

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

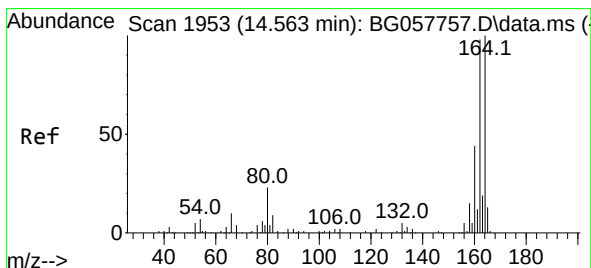
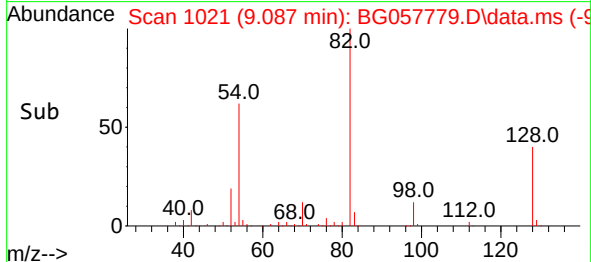
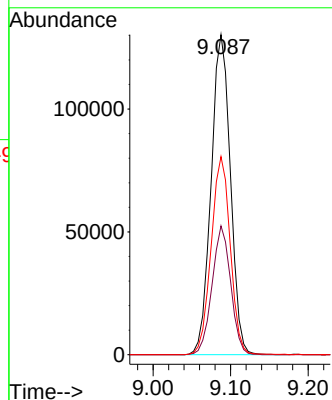
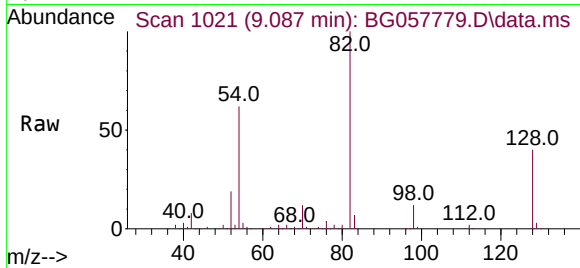




#23
 Nitrobenzene-d5
 Concen: 58.371 ng
 RT: 9.087 min Scan# 1021
 Delta R.T. -0.005 min
 Lab File: BG057779.D
 Acq: 20 Jun 2023 16:54

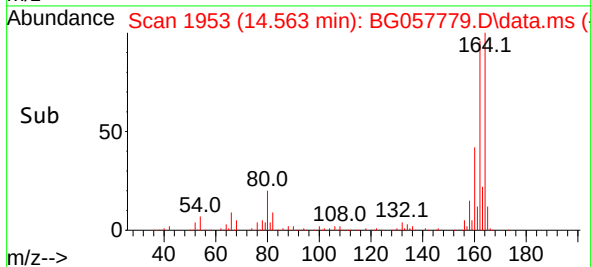
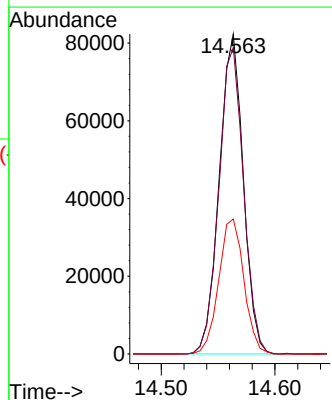
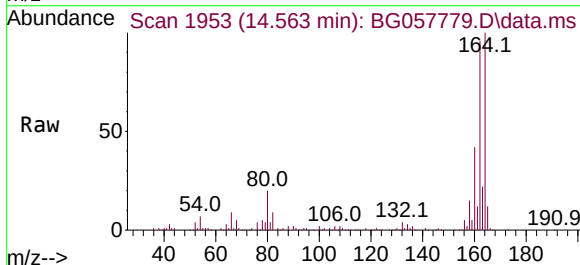
Instrument :
 BNA_G
 ClientSampleId :
 COMPOSIT-SB-24

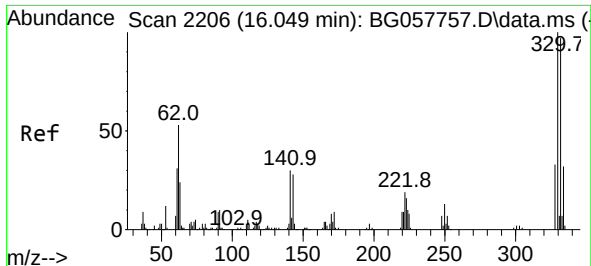
Tgt Ion: 82 Resp: 224966
 Ion Ratio Lower Upper
 82 100
 128 40.2 30.7 46.1
 54 61.9 49.6 74.4



#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

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

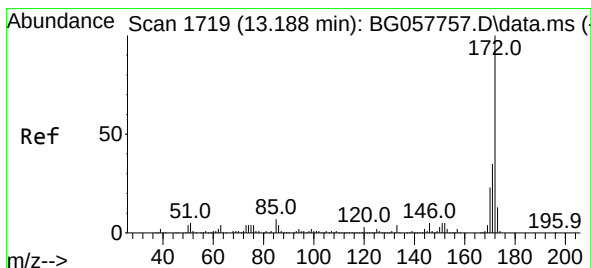
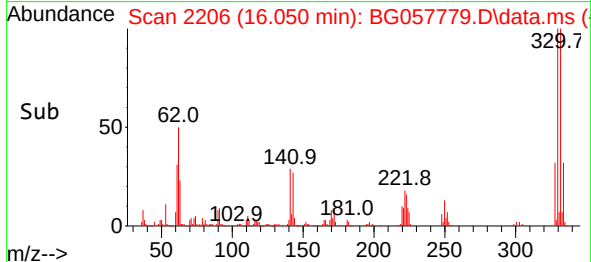
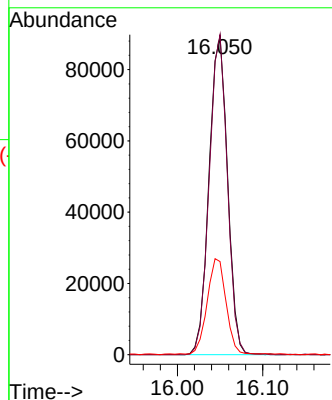
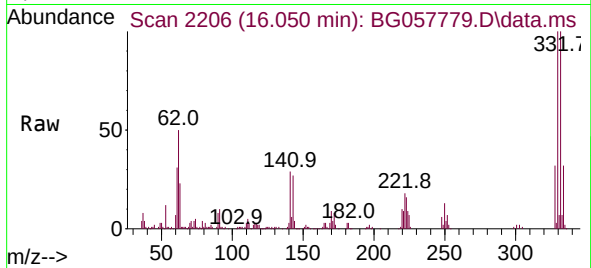




#42
2,4,6-Tribromophenol
Concen: 80.228 ng
RT: 16.050 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

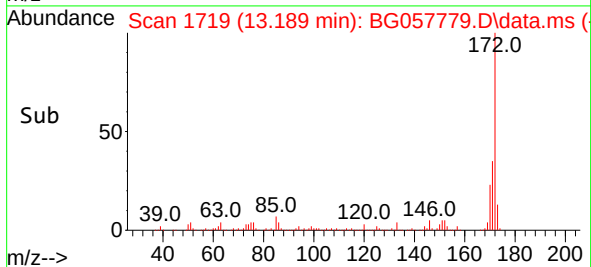
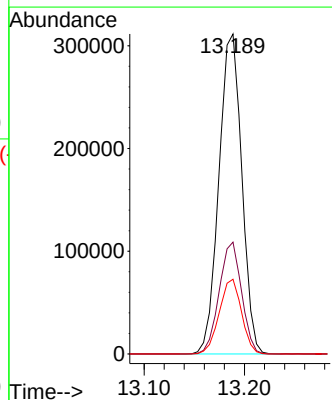
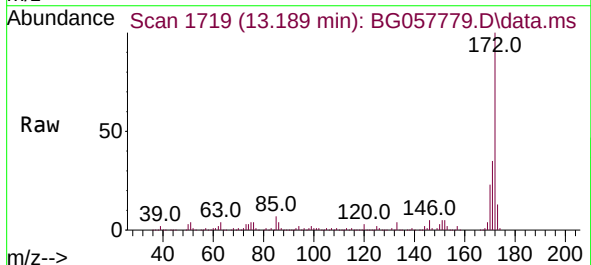
Instrument :
BNA_G
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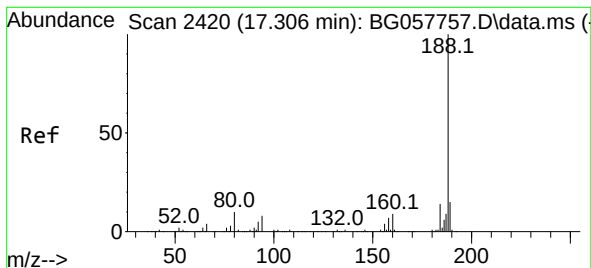
Tgt Ion:330 Resp: 134867
Ion Ratio Lower Upper
330 100
332 98.1 76.6 115.0
141 30.2 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 61.847 ng
RT: 13.189 min Scan# 1719
Delta R.T. 0.001 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

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

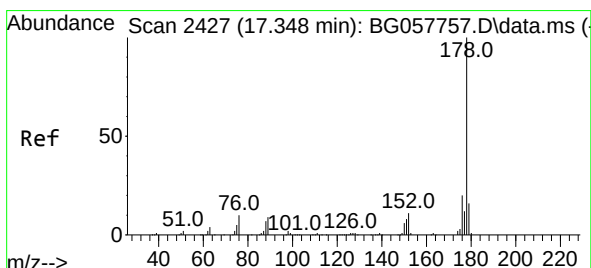
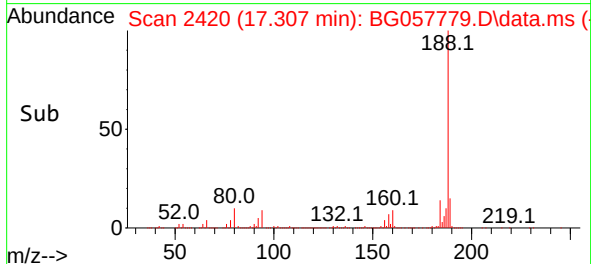
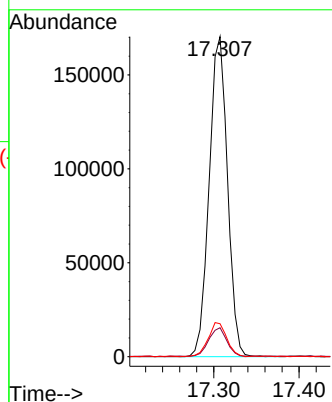
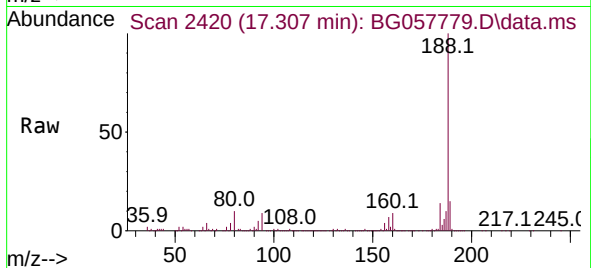




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.307 min Scan# 2420
Delta R.T. 0.001 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

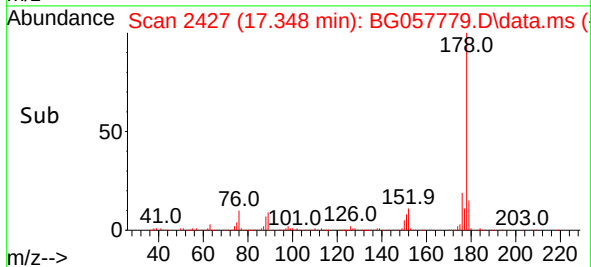
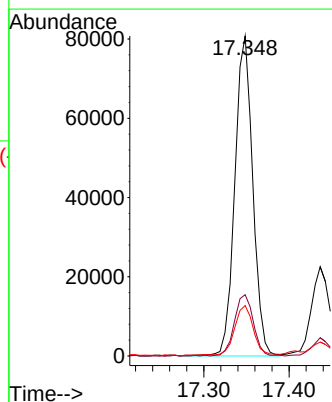
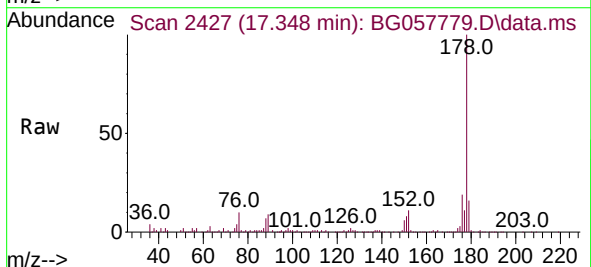
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COMPOSIT-SB-24

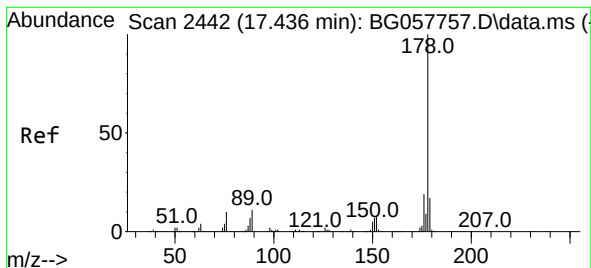
Tgt Ion:188 Resp: 254332
Ion Ratio Lower Upper
188 100
94 9.0 6.6 9.8
80 10.3 7.6 11.4



#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

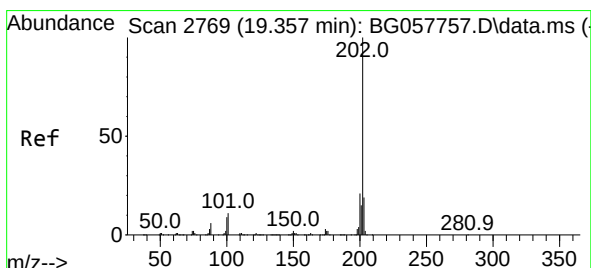
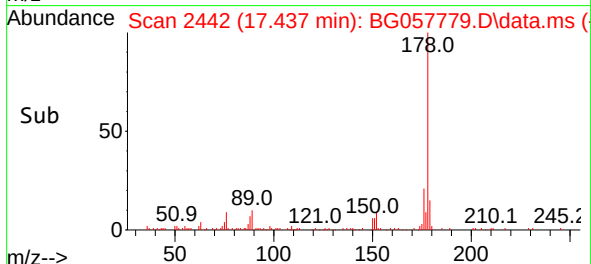
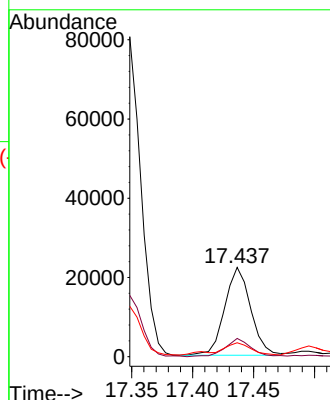
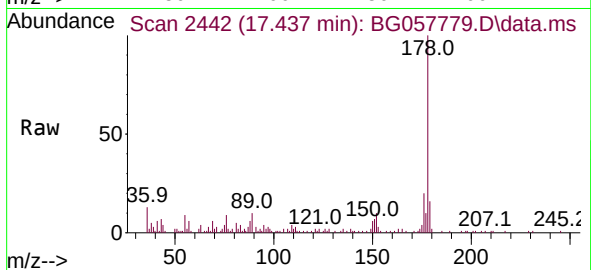
Tgt Ion:178 Resp: 32747

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

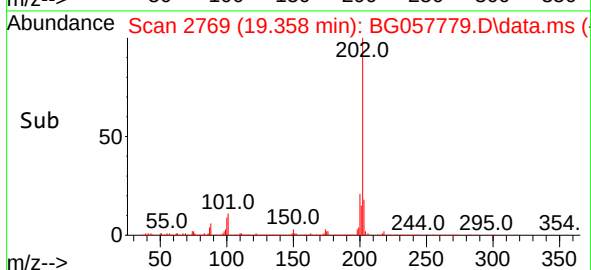
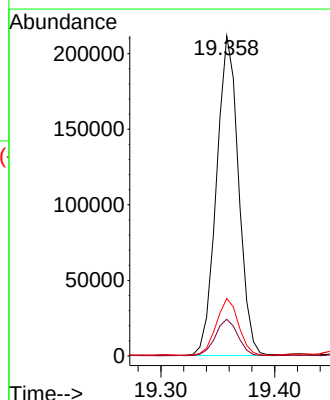
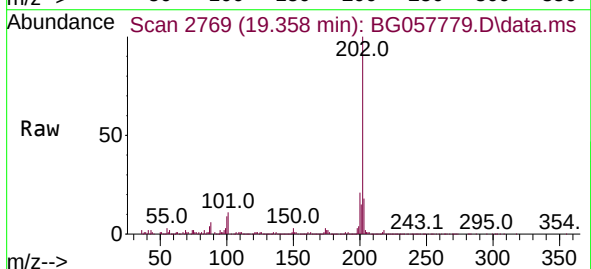
Tgt Ion:202 Resp: 285590

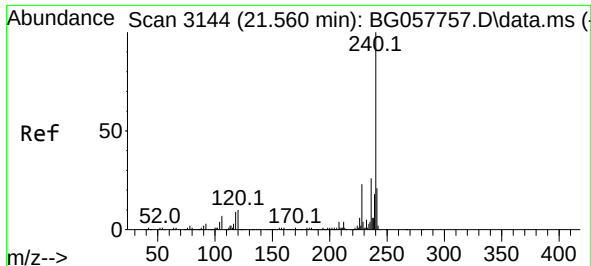
Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.3

203 18.0 0.0 38.7

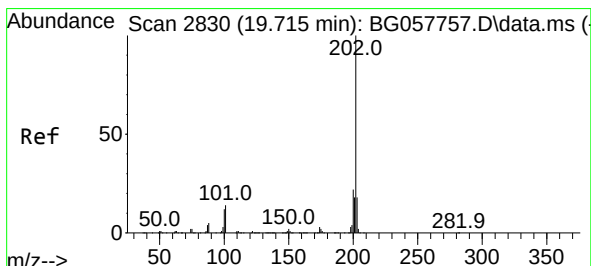
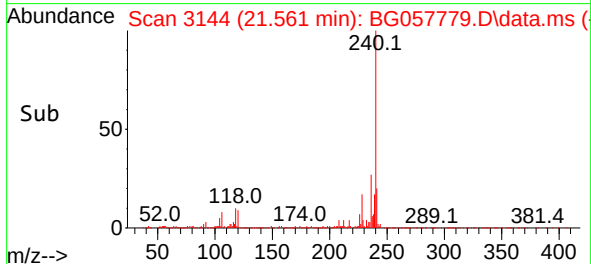
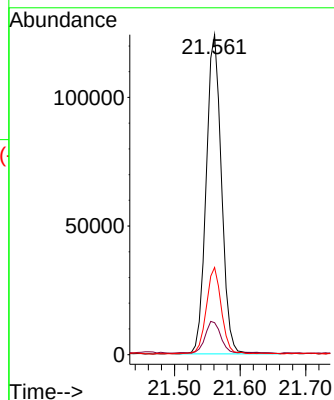
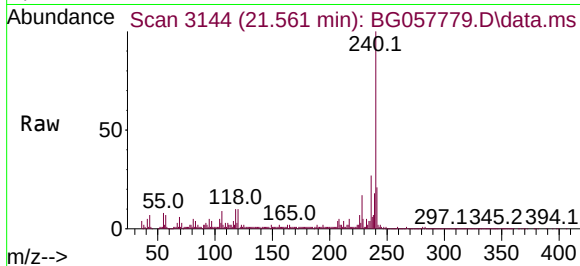




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.561 min Scan# 3144
Delta R.T. 0.001 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

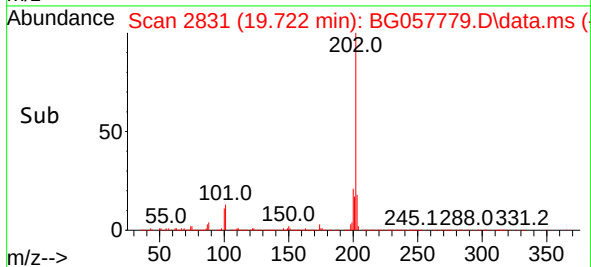
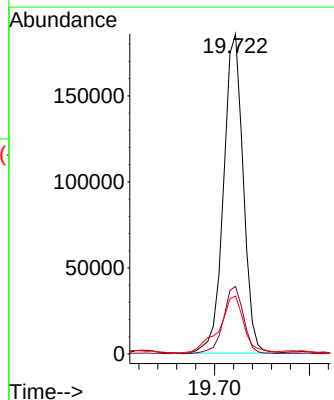
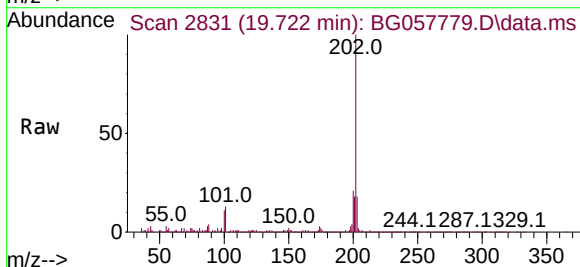
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-SB-24

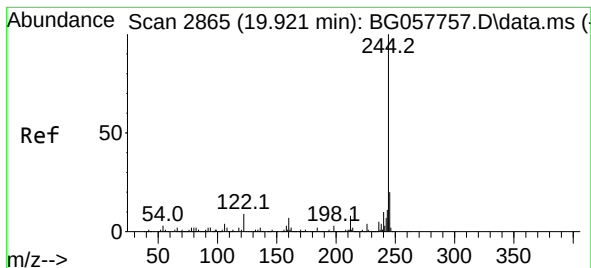
Tgt Ion:240 Resp: 200735
Ion Ratio Lower Upper
240 100
120 10.0 8.1 12.1
236 27.2 20.6 30.8



#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# 2

Delta R.T. 0.001 min

Lab File: BG057779.D

Acq: 20 Jun 2023 16:54

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-SB-24

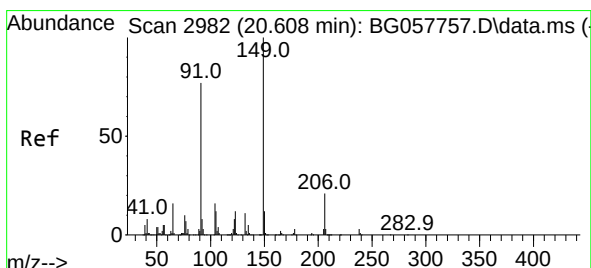
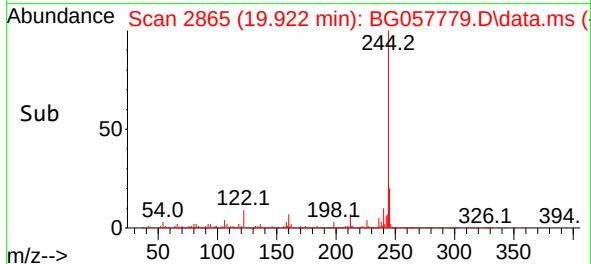
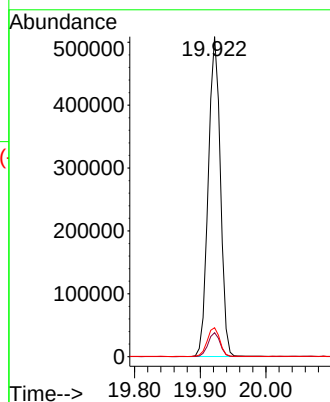
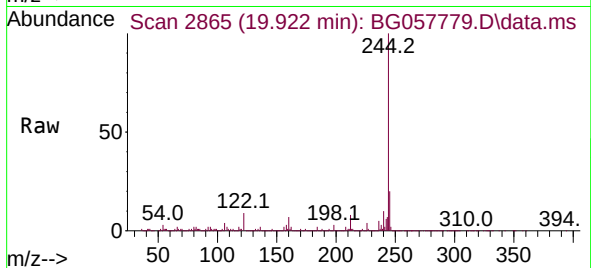
Tgt Ion:244 Resp: 654739

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

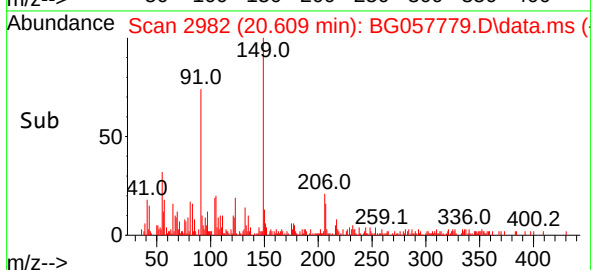
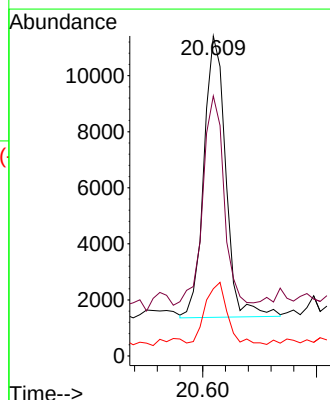
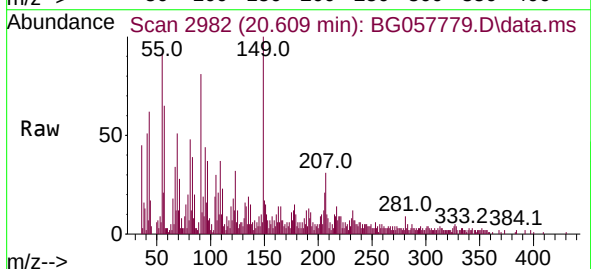
Tgt Ion:149 Resp: 13362

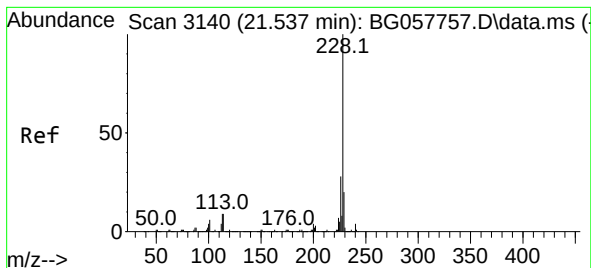
Ion Ratio Lower Upper

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

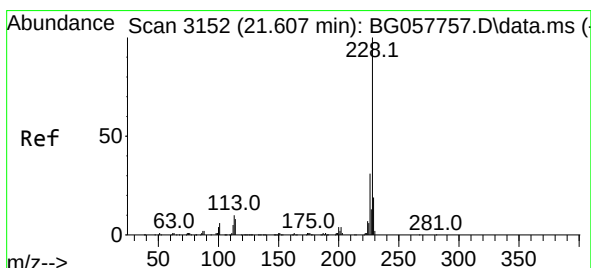
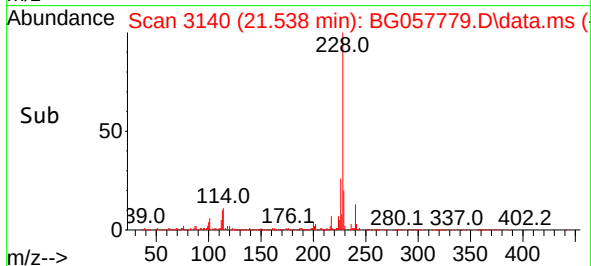
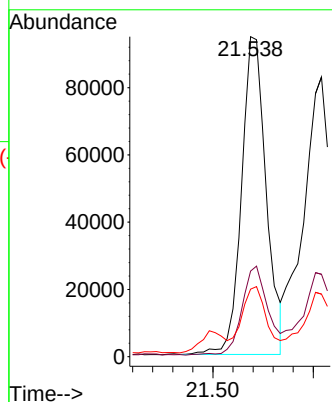
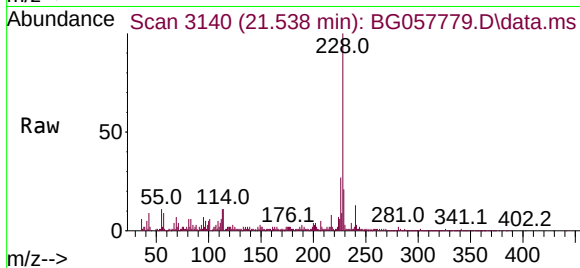
Tgt Ion:228 Resp: 161278

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

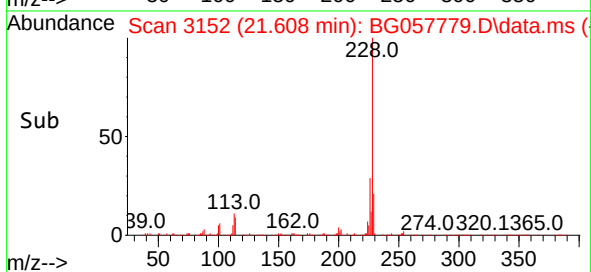
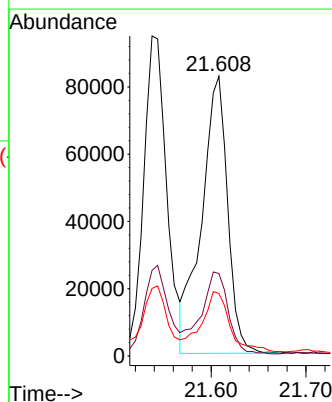
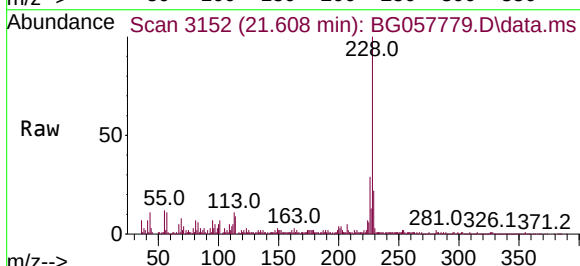
Tgt Ion:228 Resp: 157442

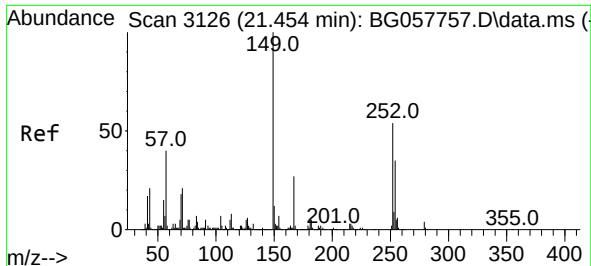
Ion Ratio Lower Upper

228 100

226 29.5 24.8 37.2

229 22.4 15.6 23.4

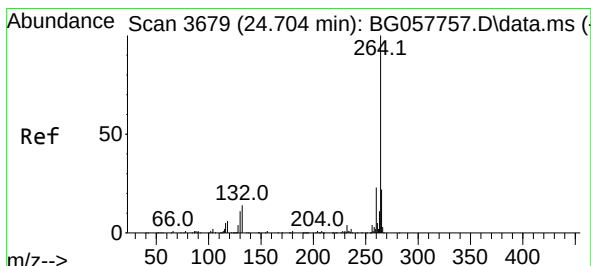
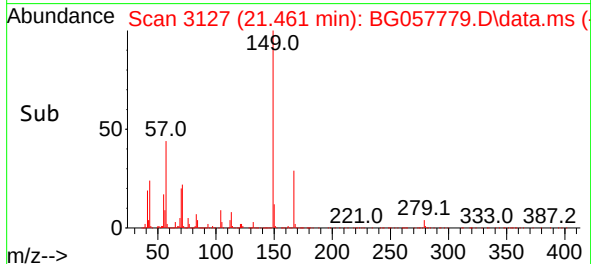
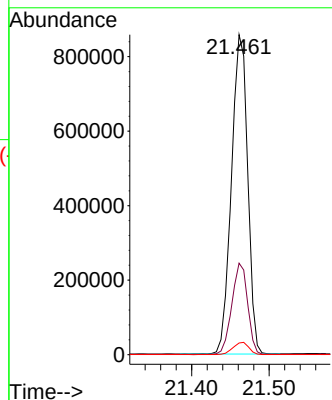
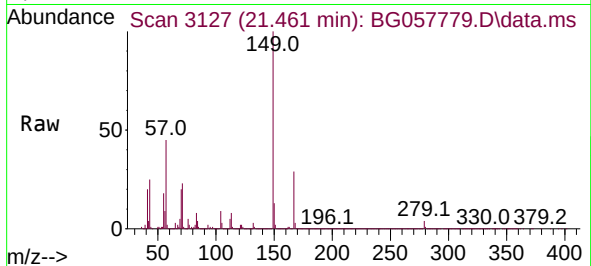




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 158.023 ng
 RT: 21.461 min Scan# 3127
 Delta R.T. 0.007 min
 Lab File: BG057779.D
 Acq: 20 Jun 2023 16:54

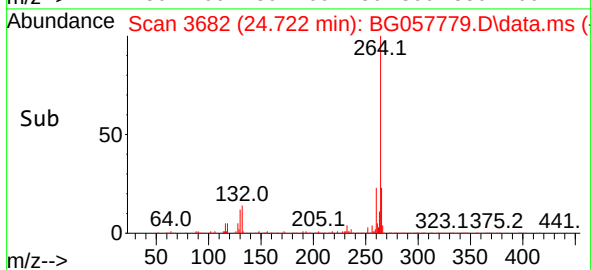
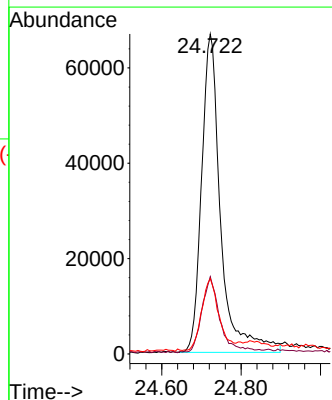
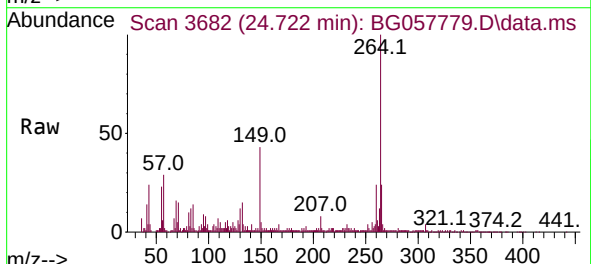
Instrument :
 BNA_G
 ClientSampleId :
 COMPOSIT-SB-24

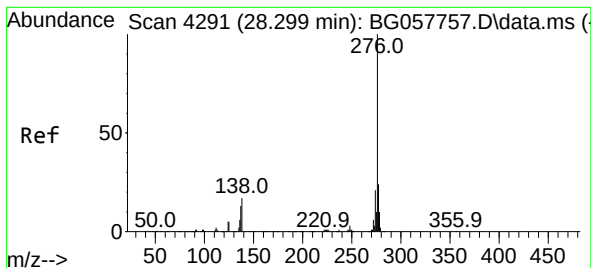
Tgt Ion:149 Resp: 1249768
 Ion Ratio Lower Upper
 149 100
 167 28.6 21.8 32.8
 279 3.6 2.9 4.3



#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

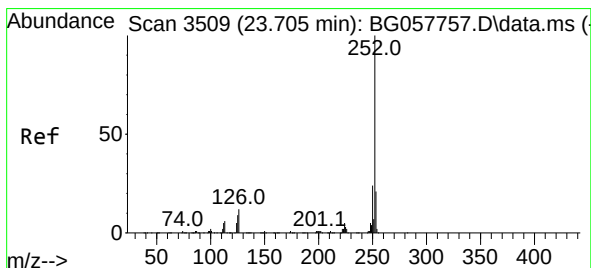
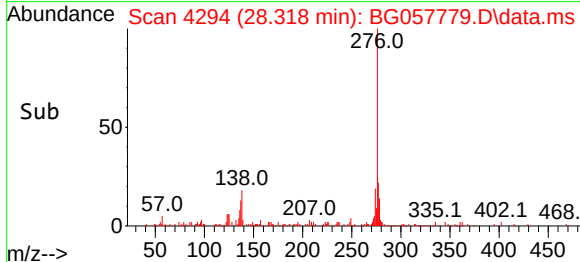
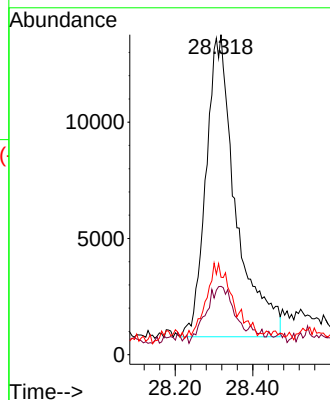
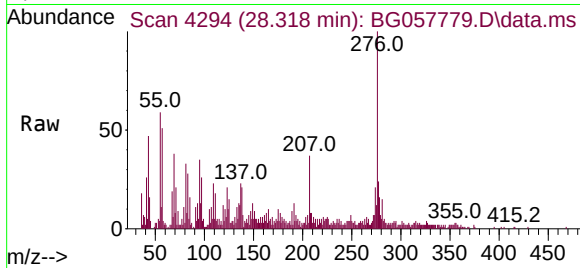
Instrument :

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

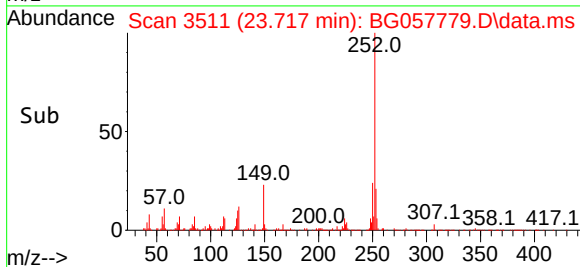
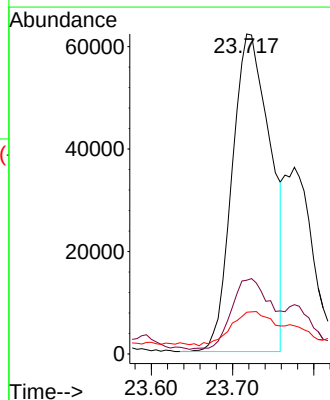
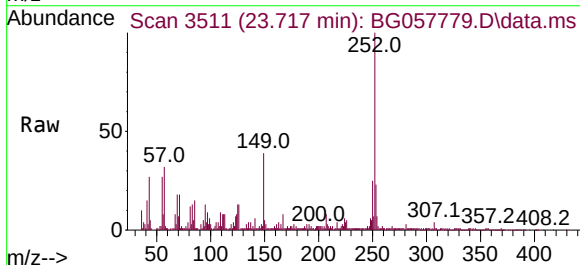
RT: 23.717 min Scan# 3511

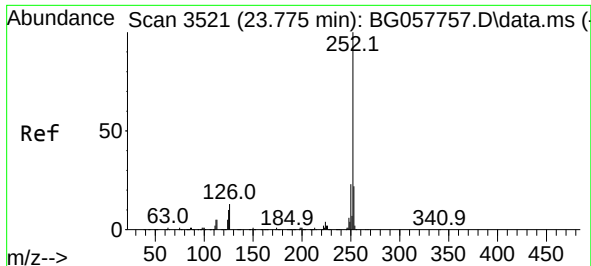
Delta R.T. 0.013 min

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#

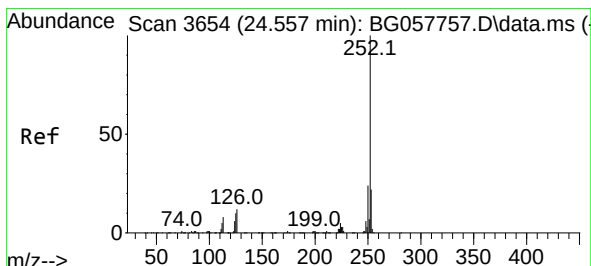
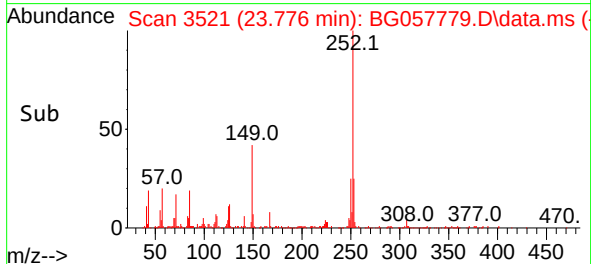
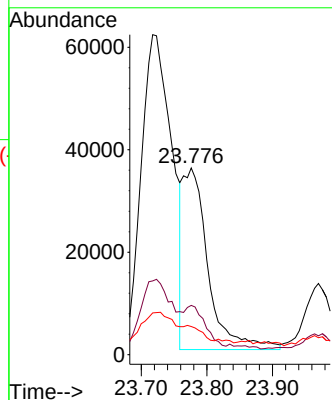
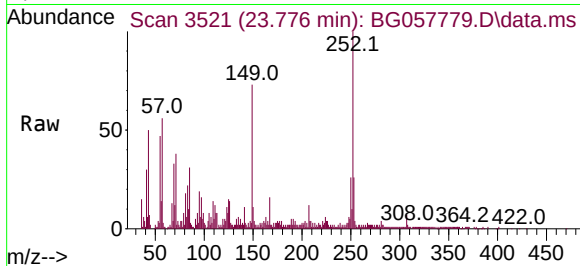




#89
Benzo(k)fluoranthene
Concen: 7.606 ng m
RT: 23.776 min Scan# 3521
Delta R.T. 0.001 min
Lab File: BG057779.D
Acq: 20 Jun 2023 16:54

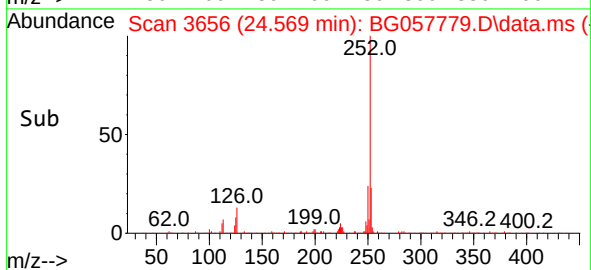
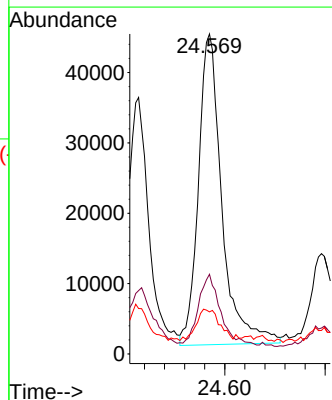
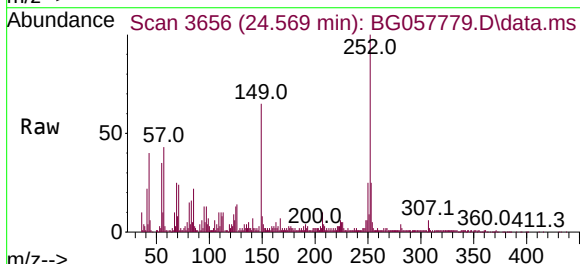
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-SB-24

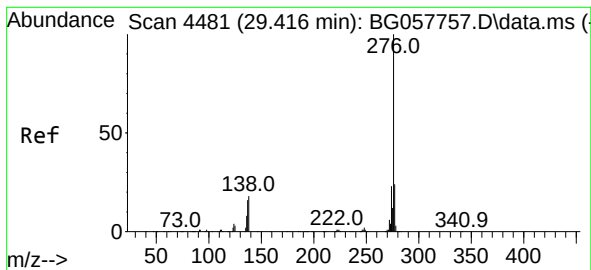
Tgt Ion:252 Resp: 94591
Ion Ratio Lower Upper
252 100
253 26.4 18.0 27.0
125 15.1 7.6 11.4#



#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: 5.184 ng m

RT: 29.428 min Scan# 44

Delta R.T. 0.013 min

Lab File: BG057779.D

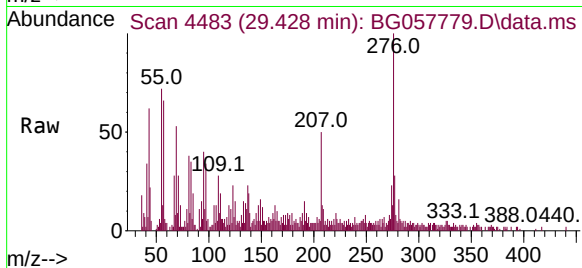
Acq: 20 Jun 2023 16:54

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-SB-24



Tgt Ion:276 Resp: 62745

Ion Ratio Lower Upper

276 100

277 27.8 19.4 29.0

138 18.9 14.2 21.4

