

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
 Data File : BG054107.D
 Acq On : 28 Jun 2022 1:01
 Operator : CG/JU
 Sample : N3492-07 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-2-0-2-20220622

Quant Time: Jun 28 05:00:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

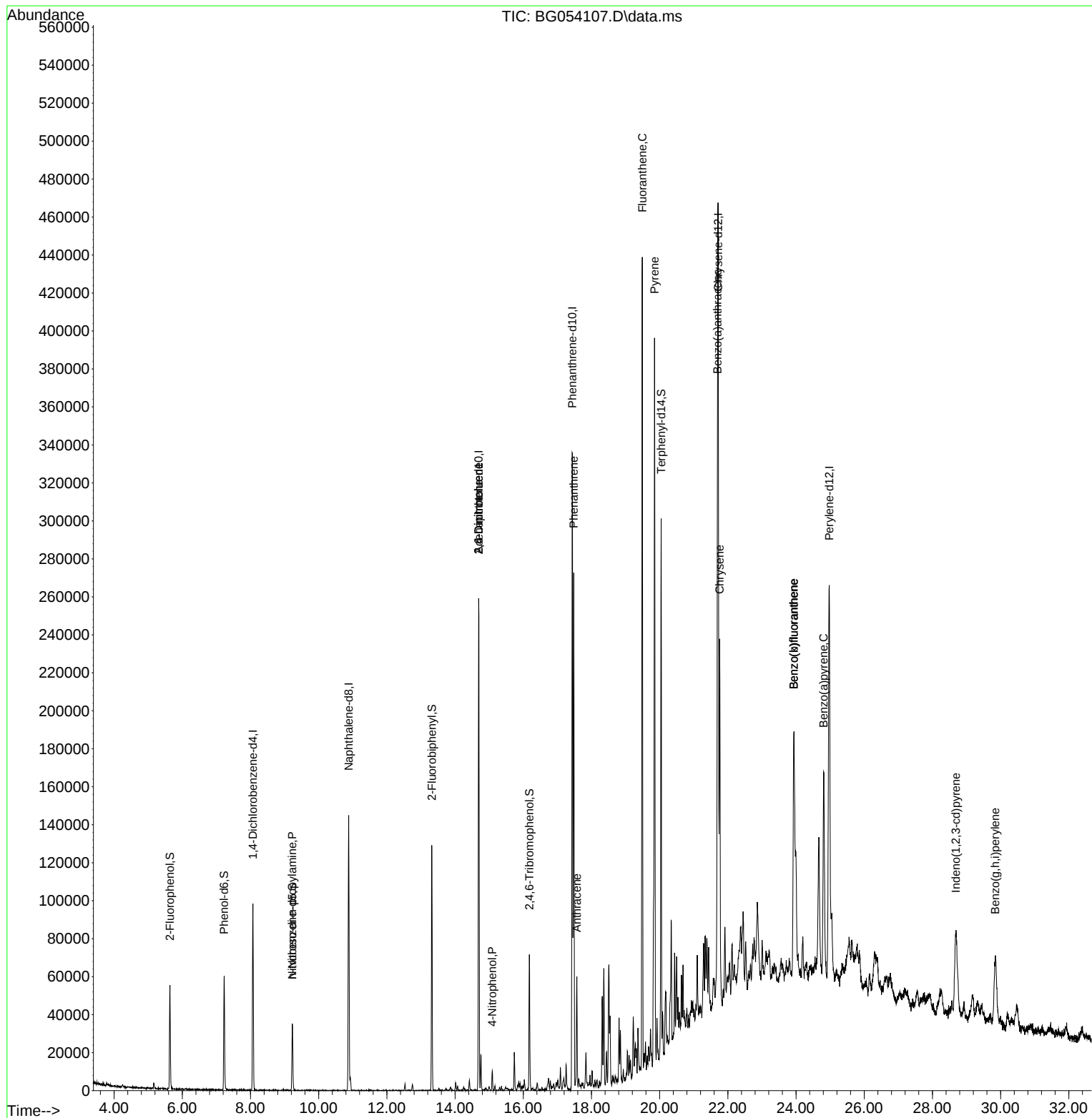
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.070	152	31286	20.000	ng	0.00
21) Naphthalene-d8	10.879	136	130898	20.000	ng	0.00
39) Acenaphthene-d10	14.692	164	100761	20.000	ng	0.00
64) Phenanthrene-d10	17.436	188	243958	20.000	ng	0.00
76) Chrysene-d12	21.713	240	238605	20.000	ng	0.00
86) Perylene-d12	24.974	264	243221	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.638	112	26322	16.086	ng	0.00
7) Phenol-d6	7.224	99	39018	17.577	ng	0.00
23) Nitrobenzene-d5	9.228	82	24454	10.498	ng	0.00
42) 2,4,6-Tribromophenol	16.178	330	15913	9.829	ng	0.00
45) 2-Fluorobiphenyl	13.317	172	73951	10.672	ng	0.00
79) Terphenyl-d14	20.045	244	142886	12.061	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.228	70	3046	2.042	ng	# 79
51) 2,6-Dinitrotoluene	14.692	165	14051	9.063	ng	# 16
56) 4-Nitrophenol	15.092	139	2684	2.517	ng	# 1
57) 2,4-Dinitrotoluene	14.692	165	14051	6.417	ng	# 21
71) Phenanthrene	17.483	178	186452	14.876	ng	97
72) Anthracene	17.571	178	42868	3.502	ng	99
75) Fluoranthene	19.492	202	292971	17.806	ng	98
78) Pyrene	19.851	202	276284	19.172	ng	98
81) Benzo(a)anthracene	21.696	228	157751	10.211	ng	97
83) Chrysene	21.760	228	143366	9.735	ng	95
87) Indeno(1,2,3-cd)pyrene	28.687	276	83931	4.573	ng	# 89
88) Benzo(b)fluoranthene	23.934	252	174685	11.812	ng	# 97
89) Benzo(k)fluoranthene	23.934	252	174685	11.930	ng	# 98
90) Benzo(a)pyrene	24.810	252	129283	10.361	ng	# 95
92) Benzo(g,h,i)perylene	29.839	276	81957	5.472	ng	94

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

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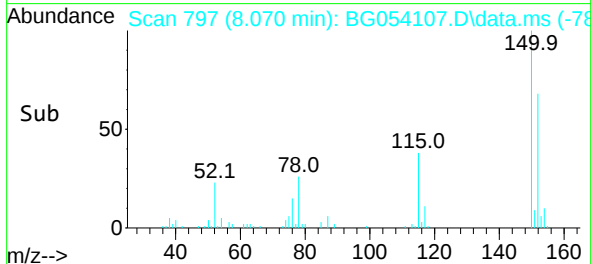
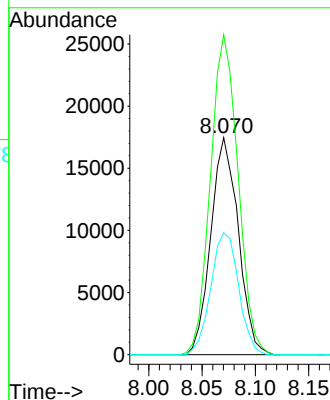
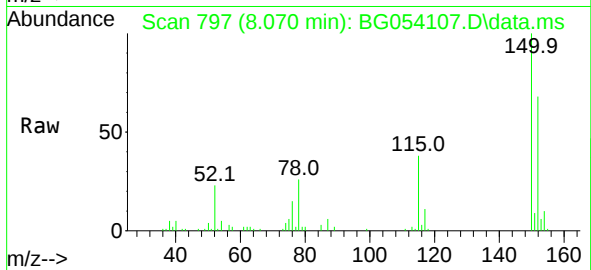




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.070 min Scan# 79
Delta R.T. 0.000 min
Lab File: BG054107.D
Acq: 28 Jun 2022 1:01

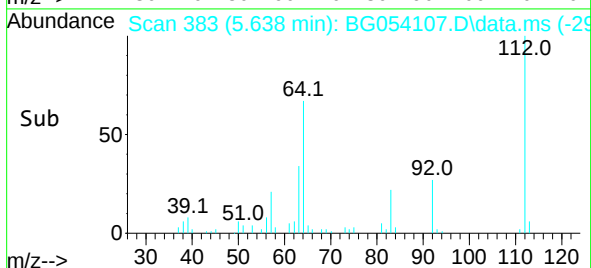
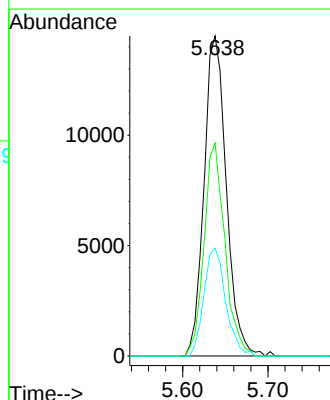
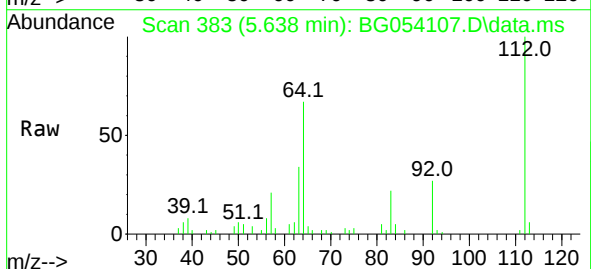
Instrument :
BNA_G
ClientSampleId :
SB-2-0-2-20220622

Tgt Ion:152 Resp: 31286
Ion Ratio Lower Upper
152 100
150 147.5 131.6 197.4
115 56.2 50.9 76.3



#5
2-Fluorophenol
Concen: 16.086 ng
RT: 5.638 min Scan# 383
Delta R.T. -0.000 min
Lab File: BG054107.D
Acq: 28 Jun 2022 1:01

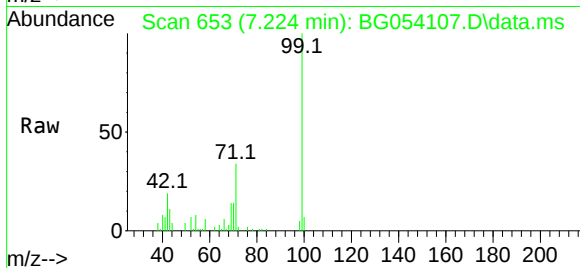
Tgt Ion:112 Resp: 26322
Ion Ratio Lower Upper
112 100
64 66.6 55.1 82.7
63 33.7 30.4 45.6



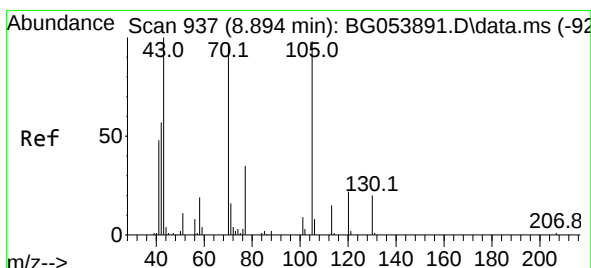
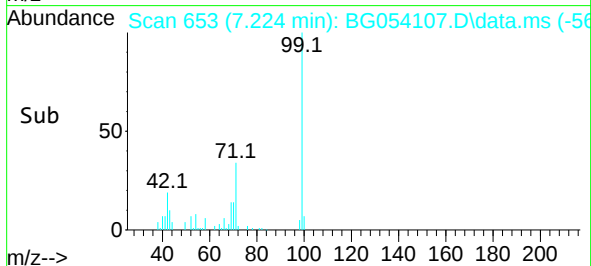
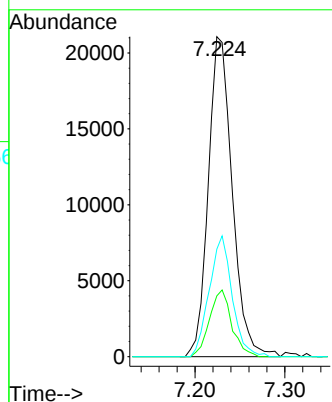


#7
Phenol-d6
Concen: 17.577 ng
RT: 7.224 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG054107.D
Acq: 28 Jun 2022 1:01

Instrument :
BNA_G
ClientSampleId :
SB-2-0-2-20220622

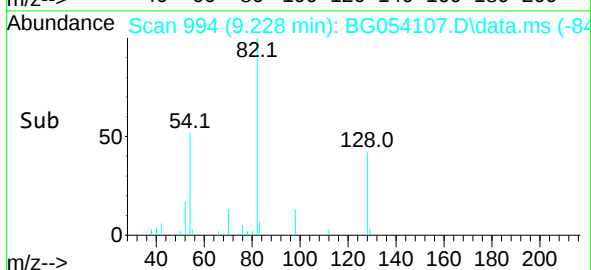
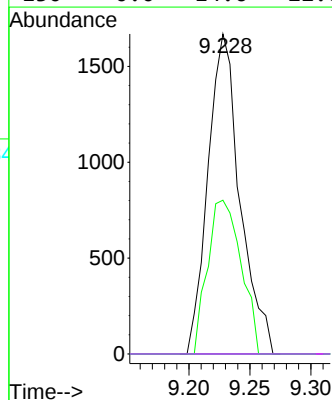
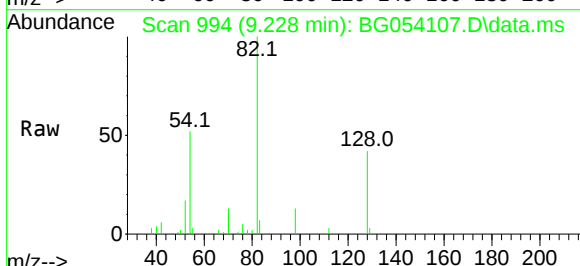


Tgt Ion: 99 Resp: 39018
Ion Ratio Lower Upper
99 100
42 19.0 17.0 25.6
71 33.6 33.8 50.8#



#19
n-Nitroso-di-n-propylamine
Concen: 2.042 ng
RT: 9.228 min Scan# 994
Delta R.T. 0.353 min
Lab File: BG054107.D
Acq: 28 Jun 2022 1:01

Tgt Ion: 70 Resp: 3046
Ion Ratio Lower Upper
70 100
42 48.1 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

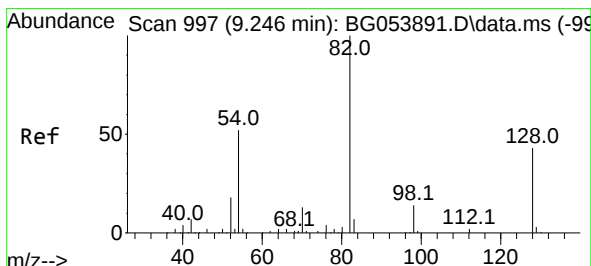
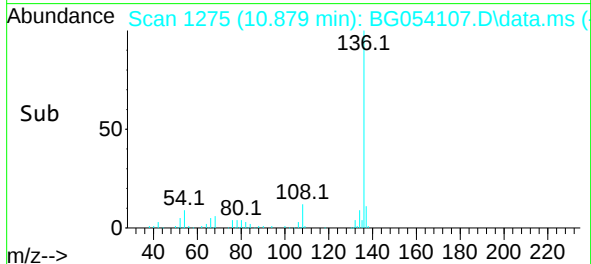
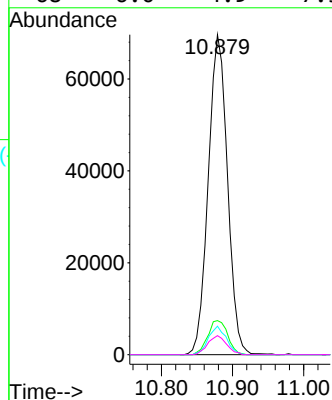
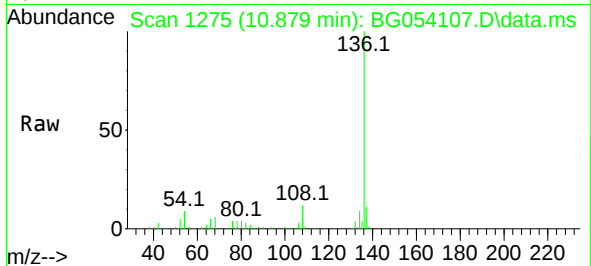




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.879 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG054107.D
Acq: 28 Jun 2022 1:01

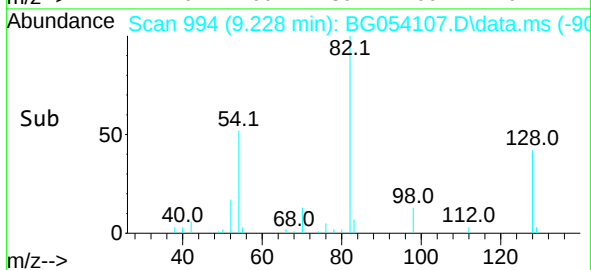
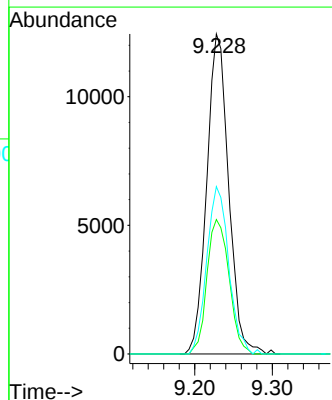
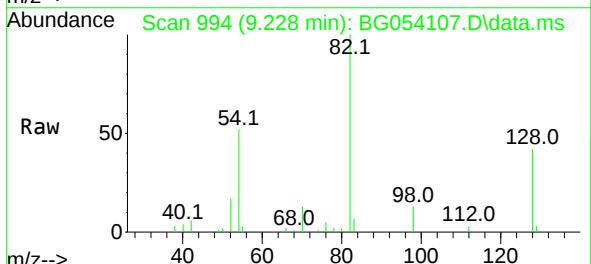
Instrument :
BNA_G
ClientSampleId :
SB-2-0-2-20220622

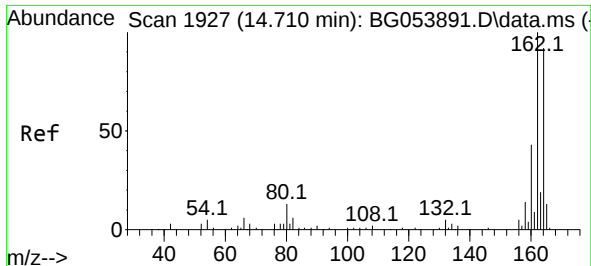
Tgt Ion:	136	Resp:	130898
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	8.9	7.4	11.2
68	6.0	4.9	7.3



#23
Nitrobenzene-d5
Concen: 10.498 ng
RT: 9.228 min Scan# 994
Delta R.T. -0.006 min
Lab File: BG054107.D
Acq: 28 Jun 2022 1:01

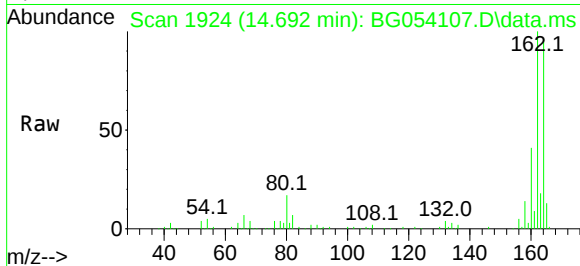
Tgt Ion:	82	Resp:	24454
Ion	Ratio	Lower	Upper
82	100		
128	42.0	27.9	41.9#
54	52.3	41.2	61.8



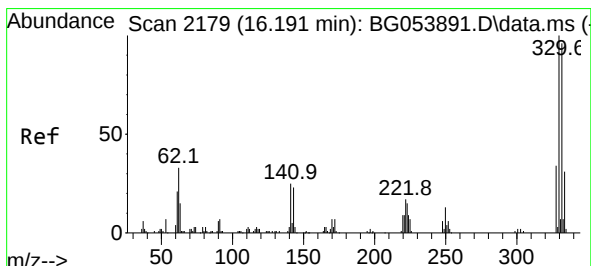
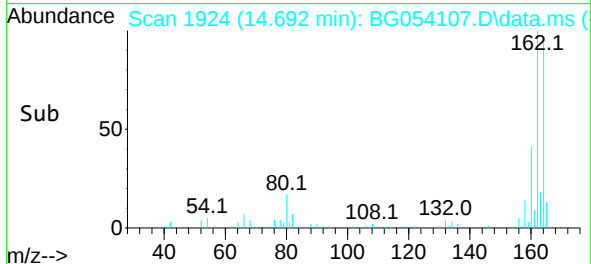
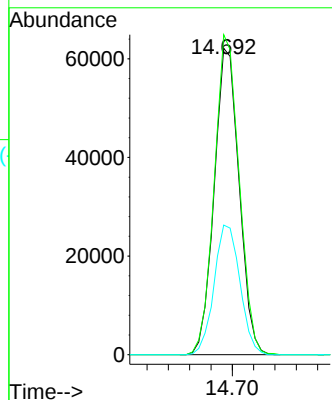


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.692 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BG054107.D
Acq: 28 Jun 2022 1:01

Instrument :
BNA_G
ClientSampleId :
SB-2-0-2-20220622

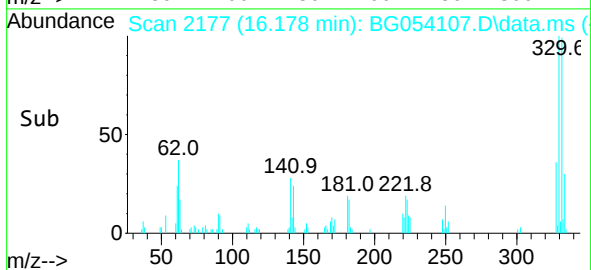
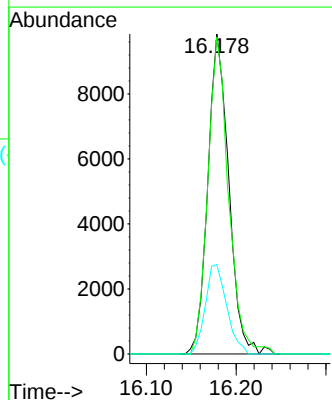
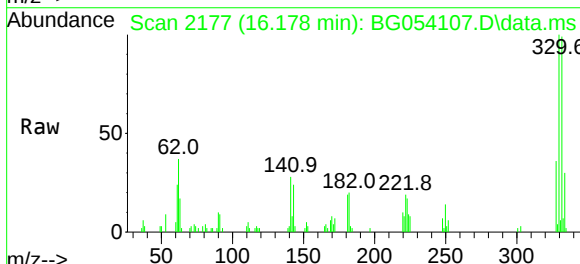


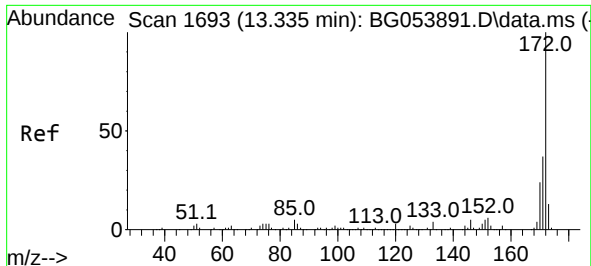
Tgt Ion:164 Resp: 100761
Ion Ratio Lower Upper
164 100
162 104.4 82.3 123.5
160 42.3 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 9.829 ng
RT: 16.178 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BG054107.D
Acq: 28 Jun 2022 1:01

Tgt Ion:330 Resp: 15913
Ion Ratio Lower Upper
330 100
332 98.5 76.0 114.0
141 28.6 27.1 40.7

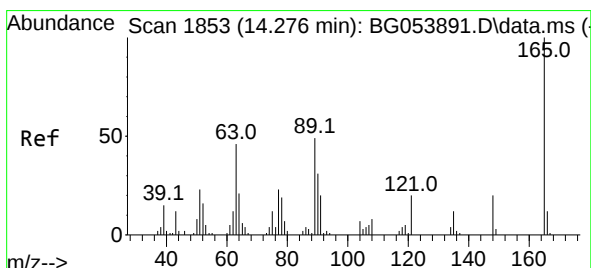
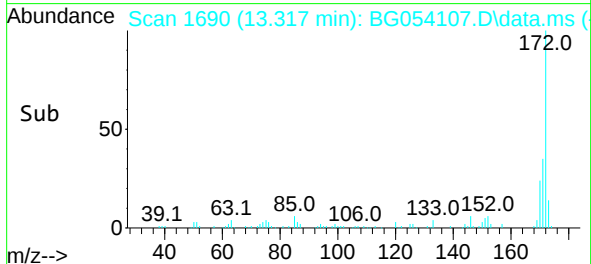
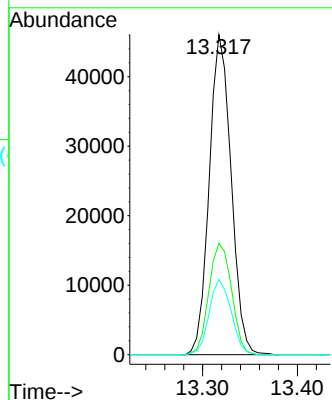
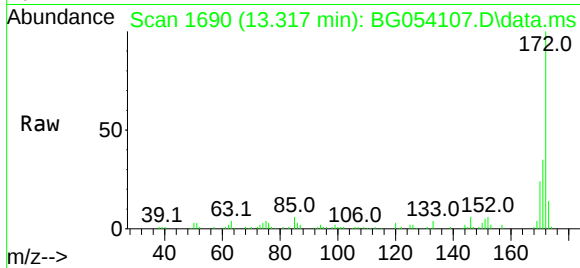




#45
2-Fluorobiphenyl
Concen: 10.672 ng
RT: 13.317 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG054107.D
Acq: 28 Jun 2022 1:01

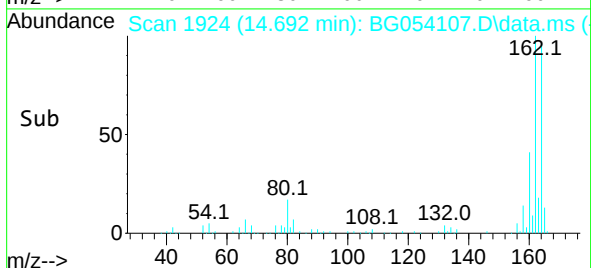
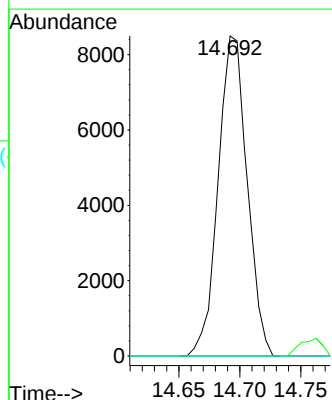
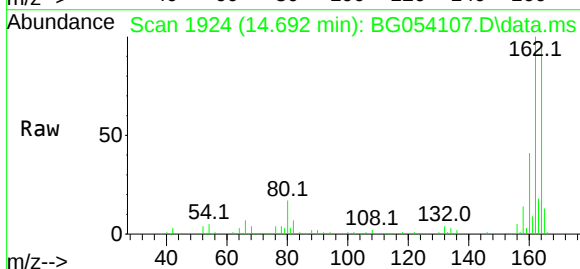
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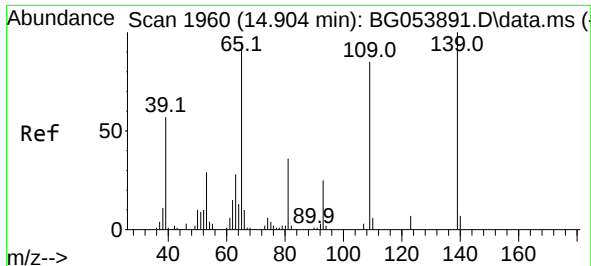
Tgt Ion:172 Resp: 73951
Ion Ratio Lower Upper
172 100
171 34.8 28.5 42.7
170 23.5 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 9.063 ng
RT: 14.692 min Scan# 1924
Delta R.T. 0.429 min
Lab File: BG054107.D
Acq: 28 Jun 2022 1:01

Tgt Ion:165 Resp: 14051
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

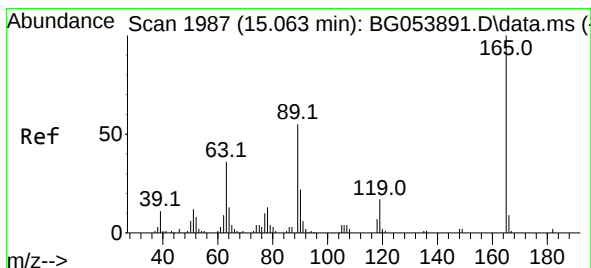
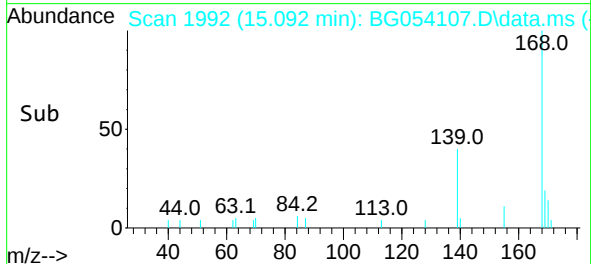
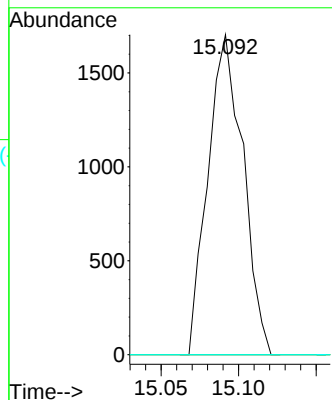
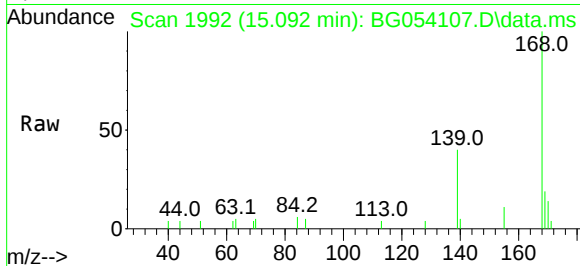




#56
4-Nitrophenol
Concen: 2.517 ng
RT: 15.092 min Scan# 1992
Delta R.T. 0.194 min
Lab File: BG054107.D
Acq: 28 Jun 2022 1:01

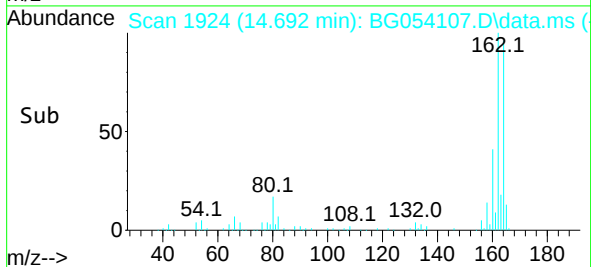
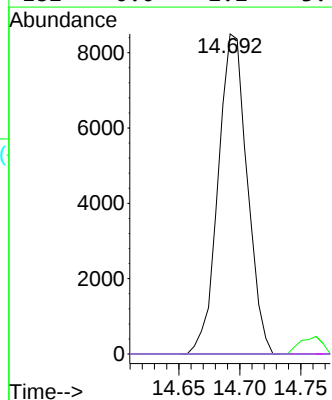
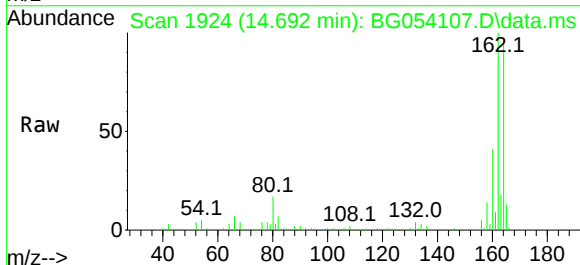
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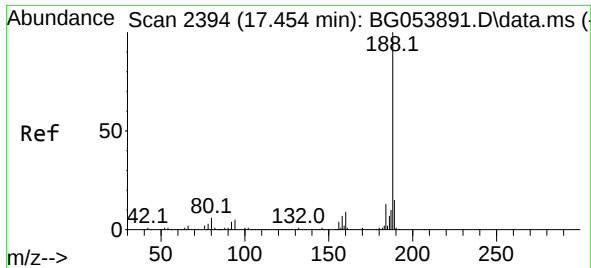
Tgt Ion:139 Resp: 2684
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#



#57
2,4-Dinitrotoluene
Concen: 6.417 ng
RT: 14.692 min Scan# 1924
Delta R.T. -0.358 min
Lab File: BG054107.D
Acq: 28 Jun 2022 1:01

Tgt Ion:165 Resp: 14051
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#

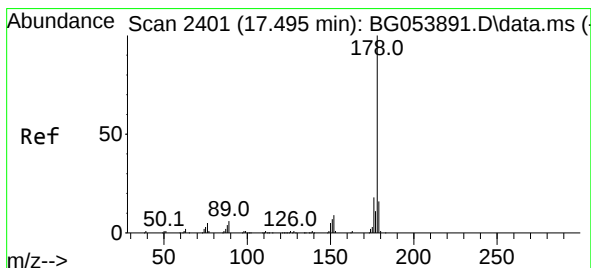
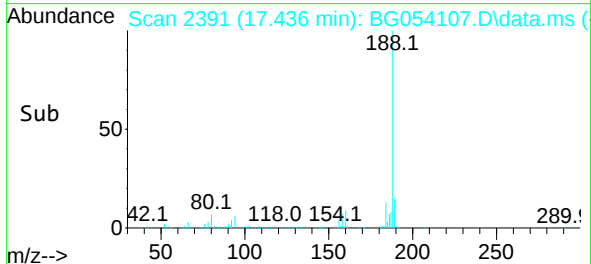
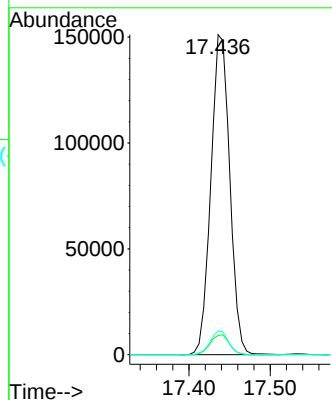
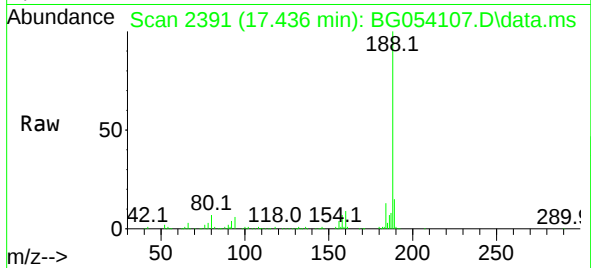




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.436 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG054107.D
Acq: 28 Jun 2022 1:01

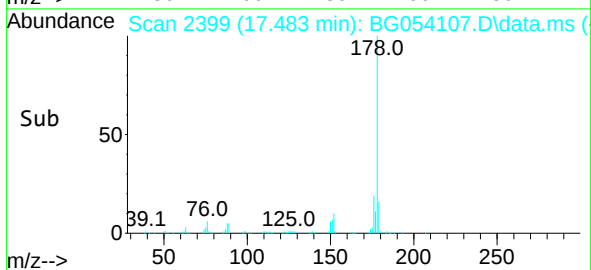
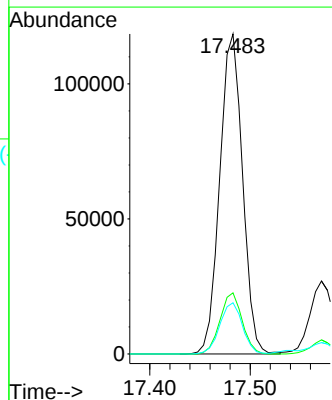
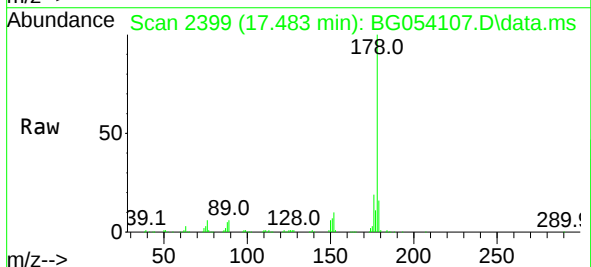
Instrument :
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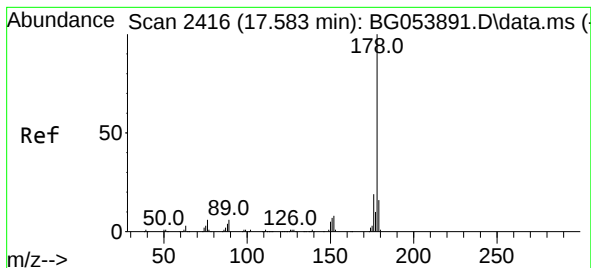
Tgt Ion:188 Resp: 243958
Ion Ratio Lower Upper
188 100
94 6.0 5.4 8.0
80 7.5 6.8 10.2



#71
Phenanthrene
Concen: 14.876 ng
RT: 17.483 min Scan# 2399
Delta R.T. -0.000 min
Lab File: BG054107.D
Acq: 28 Jun 2022 1:01

Tgt Ion:178 Resp: 186452
Ion Ratio Lower Upper
178 100
176 19.1 14.1 21.1
179 16.0 12.1 18.1





#72

Anthracene

Concen: 3.502 ng

RT: 17.571 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BG054107.D

Acq: 28 Jun 2022 1:01

Instrument :

BNA_G

ClientSampleId :

SB-2-0-2-20220622

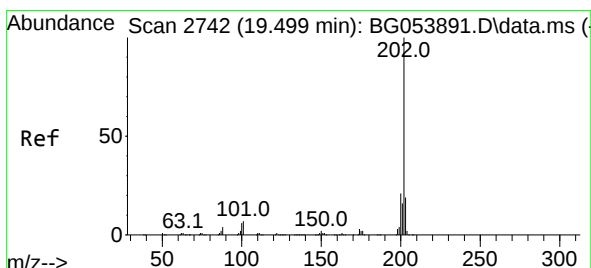
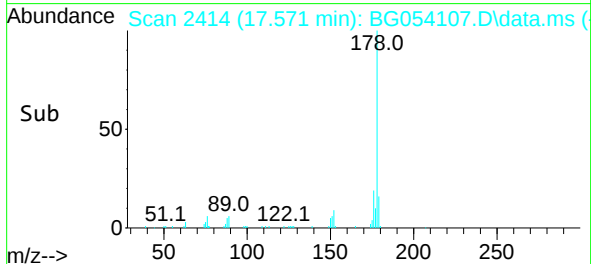
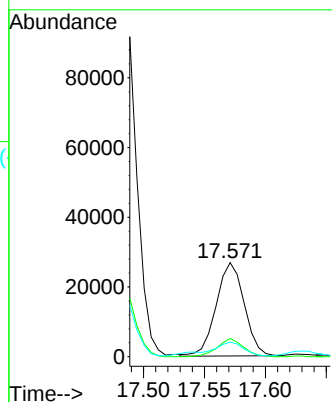
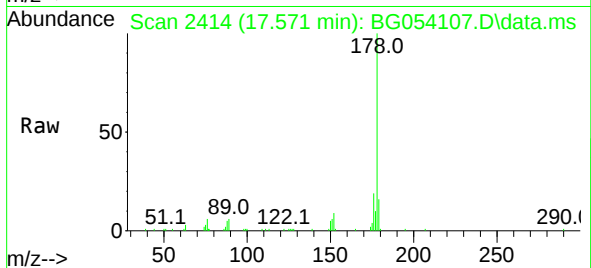
Tgt Ion:178 Resp: 42868

Ion Ratio Lower Upper

178 100

176 19.4 15.2 22.8

179 15.5 13.0 19.4



#75

Fluoranthene

Concen: 17.806 ng

RT: 19.492 min Scan# 2741

Delta R.T. -0.000 min

Lab File: BG054107.D

Acq: 28 Jun 2022 1:01

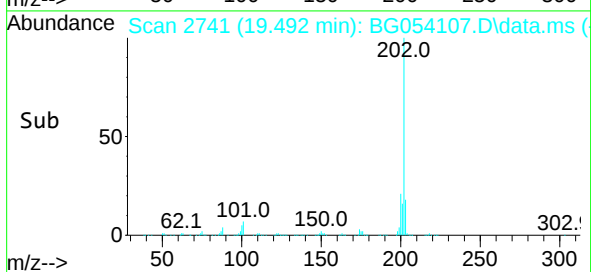
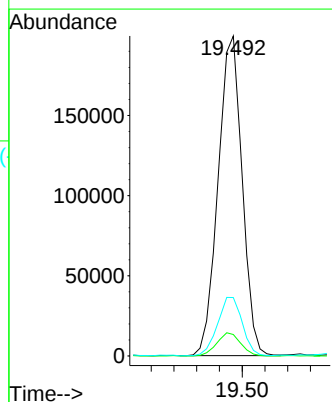
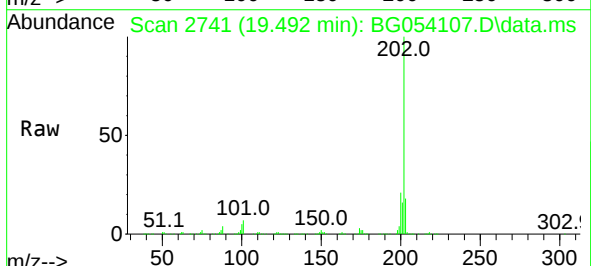
Tgt Ion:202 Resp: 292971

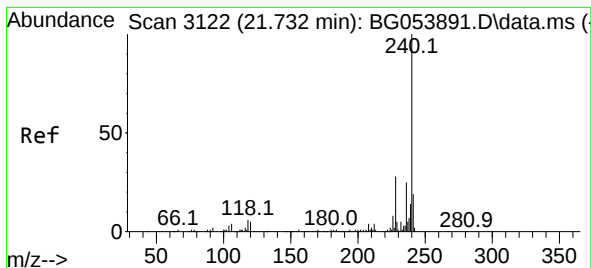
Ion Ratio Lower Upper

202 100

101 6.7 0.0 26.9

203 18.3 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.713 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG054107.D

Acq: 28 Jun 2022 1:01

Instrument :

BNA_G

ClientSampleId :

SB-2-0-2-20220622

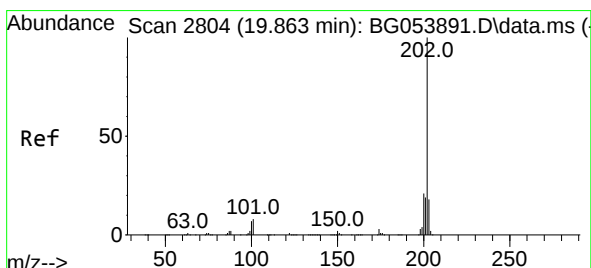
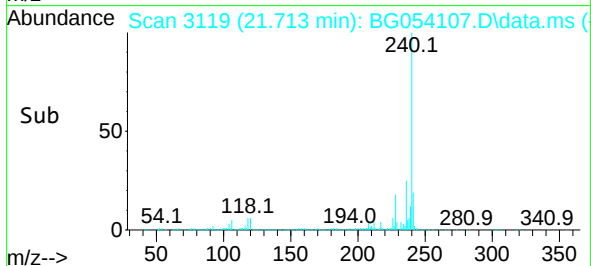
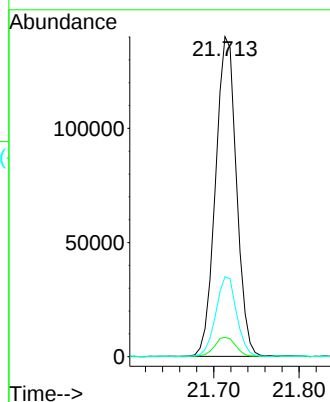
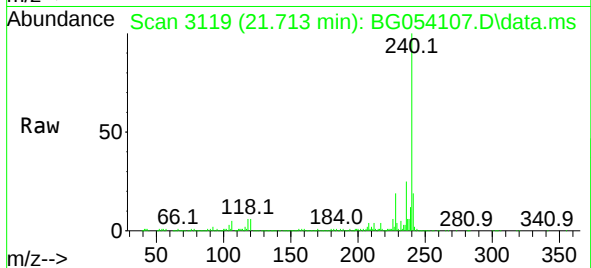
Tgt Ion:240 Resp: 238605

Ion Ratio Lower Upper

240 100

120 6.0 4.6 7.0

236 25.0 20.2 30.4



#78

Pyrene

Concen: 19.172 ng

RT: 19.851 min Scan# 2802

Delta R.T. -0.000 min

Lab File: BG054107.D

Acq: 28 Jun 2022 1:01

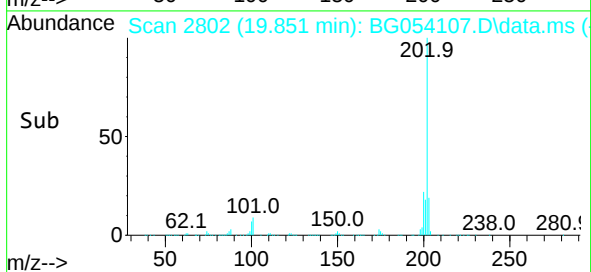
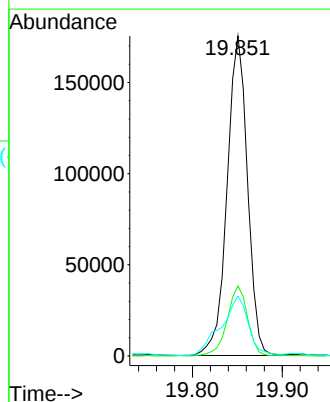
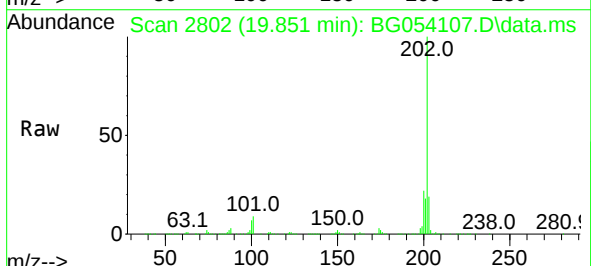
Tgt Ion:202 Resp: 276284

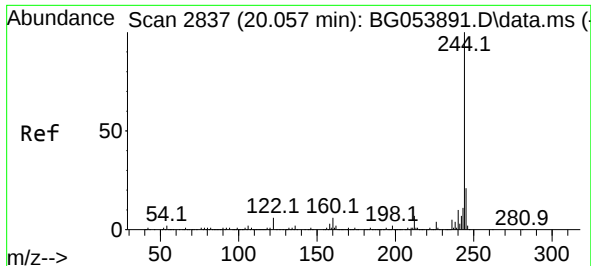
Ion Ratio Lower Upper

202 100

200 21.9 16.6 24.8

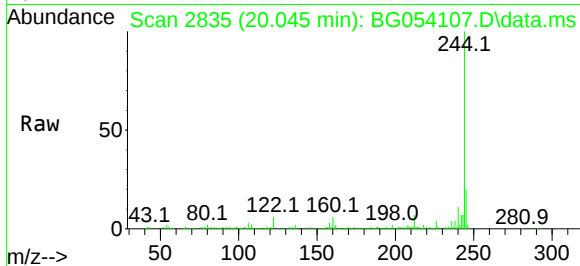
203 18.7 14.6 21.8



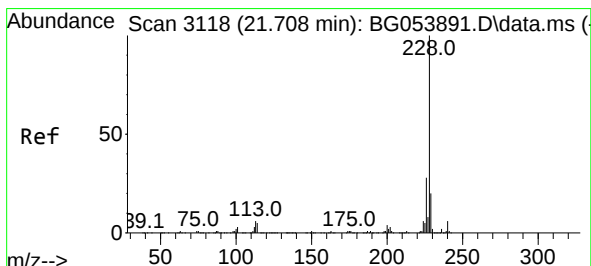
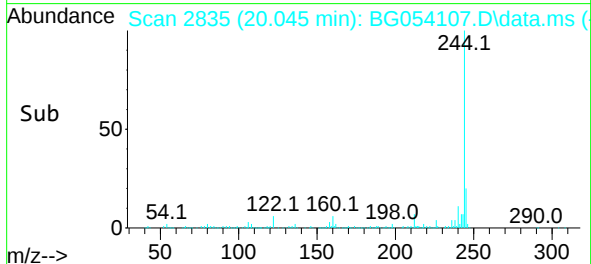
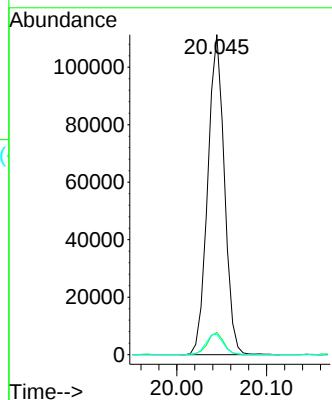


#79
 Terphenyl-d14
 Concen: 12.061 ng
 RT: 20.045 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG054107.D
 Acq: 28 Jun 2022 1:01

Instrument :
 BNA_G
 ClientSampleId :
 SB-2-0-2-20220622

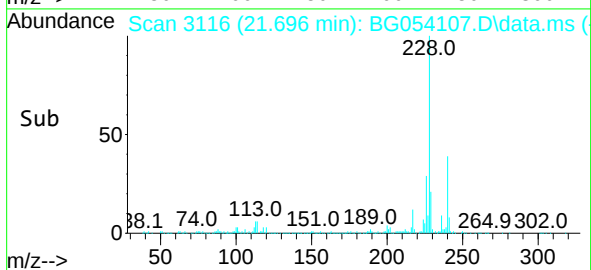
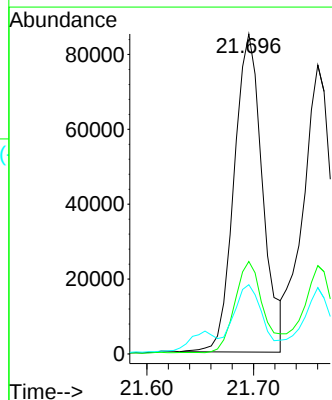
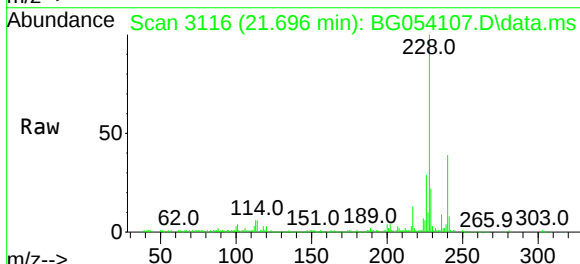


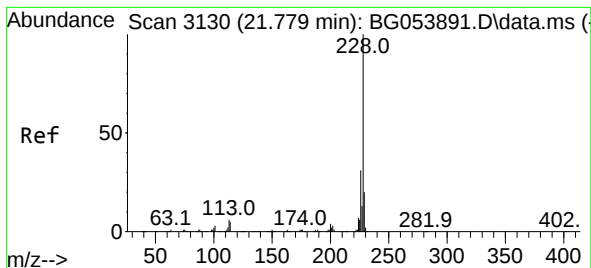
Tgt Ion:244 Resp: 142886
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 6.3 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 10.211 ng
 RT: 21.696 min Scan# 3116
 Delta R.T. -0.000 min
 Lab File: BG054107.D
 Acq: 28 Jun 2022 1:01

Tgt Ion:228 Resp: 157751
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.6 32.4
 229 21.6 16.2 24.2





#83

Chrysene

Concen: 9.735 ng

RT: 21.760 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG054107.D

Acq: 28 Jun 2022 1:01

Instrument :

BNA_G

ClientSampleId :

SB-2-0-2-20220622

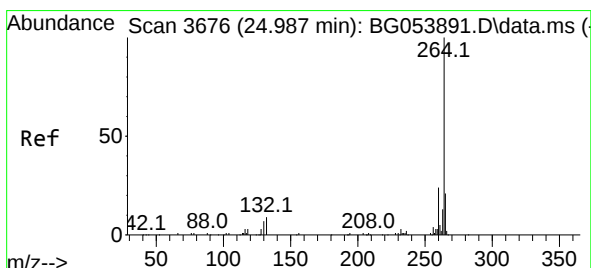
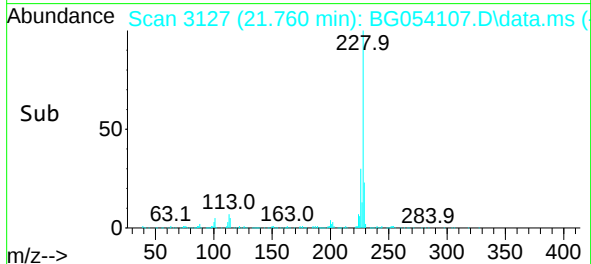
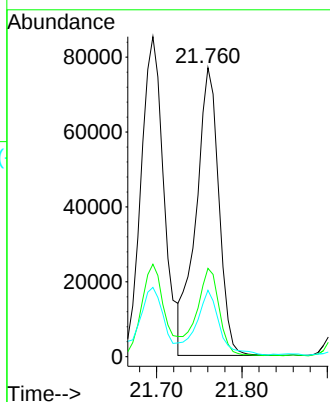
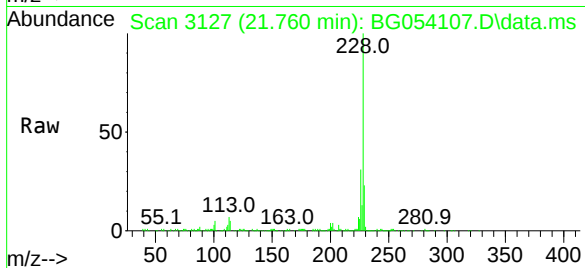
Tgt Ion:228 Resp: 143366

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.2

229 23.0 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.974 min Scan# 3674

Delta R.T. 0.012 min

Lab File: BG054107.D

Acq: 28 Jun 2022 1:01

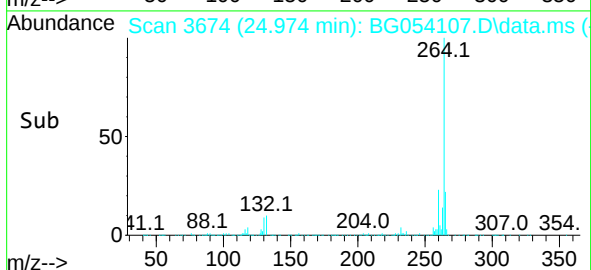
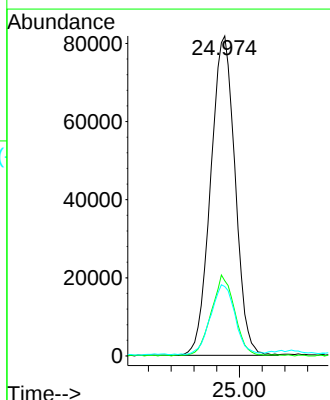
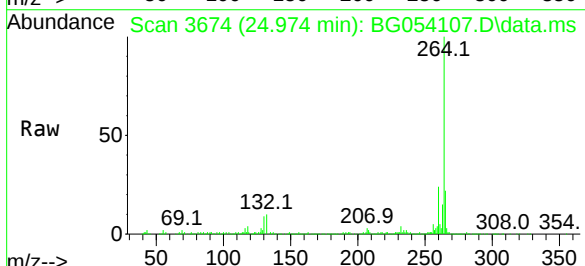
Tgt Ion:264 Resp: 243221

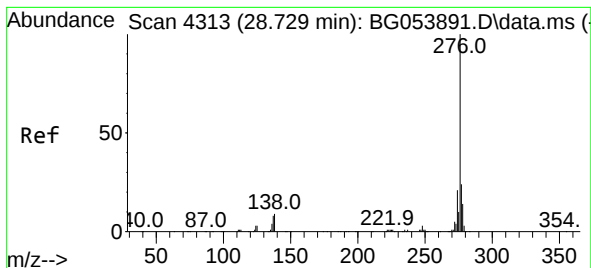
Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

265 21.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.573 ng

RT: 28.687 min Scan# 41

Delta R.T. -0.000 min

Lab File: BG054107.D

Acq: 28 Jun 2022 1:01

Instrument :

BNA_G

ClientSampleId :

SB-2-0-2-20220622

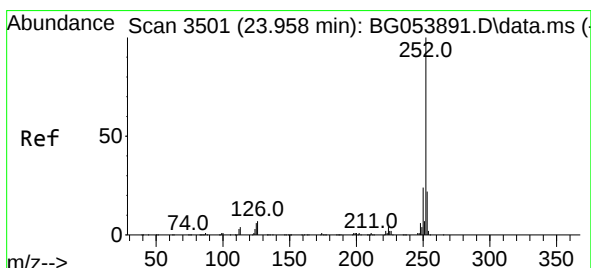
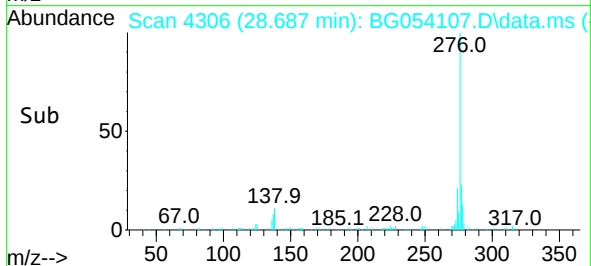
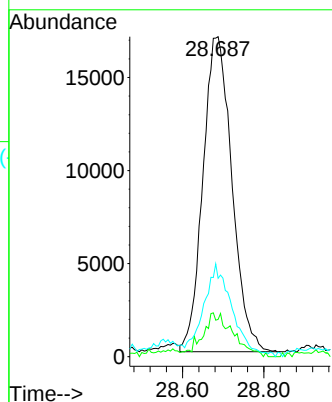
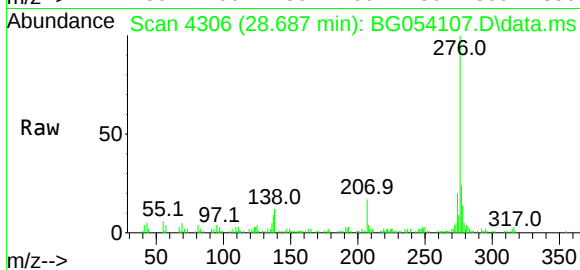
Tgt Ion:276 Resp: 83931

Ion Ratio Lower Upper

276 100

138 14.4 5.0 7.4#

277 29.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 11.812 ng

RT: 23.934 min Scan# 3497

Delta R.T. -0.000 min

Lab File: BG054107.D

Acq: 28 Jun 2022 1:01

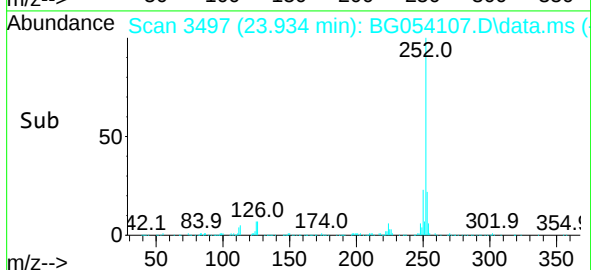
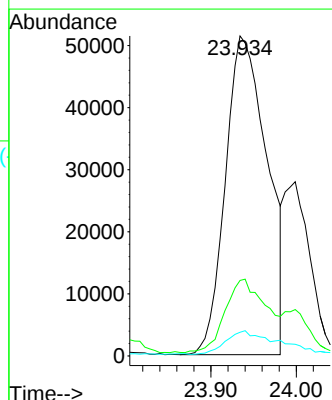
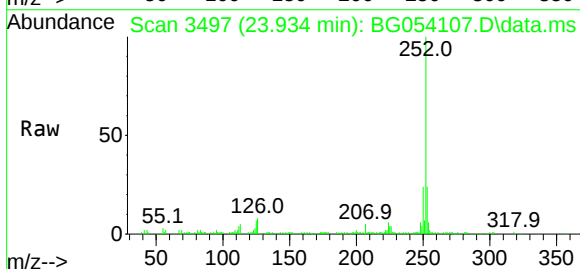
Tgt Ion:252 Resp: 174685

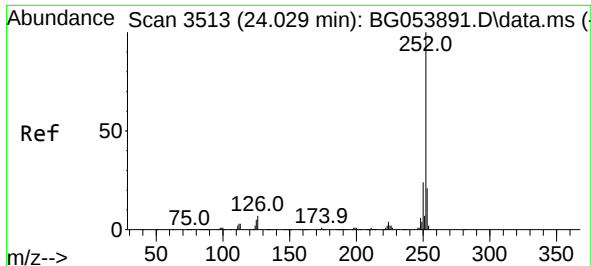
Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

125 7.4 4.6 6.8#

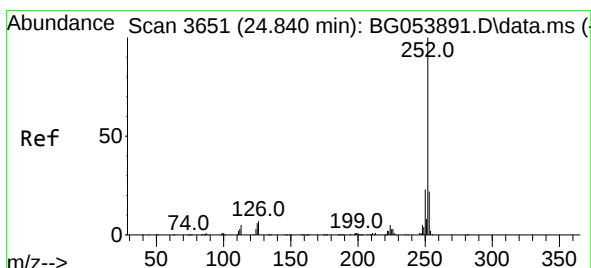
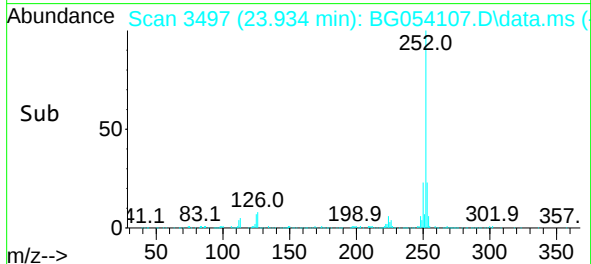
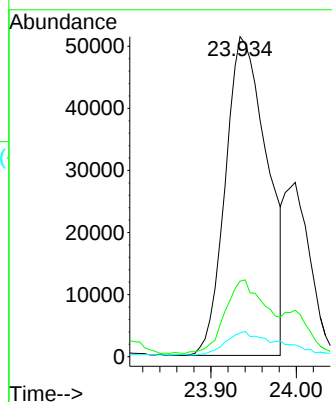
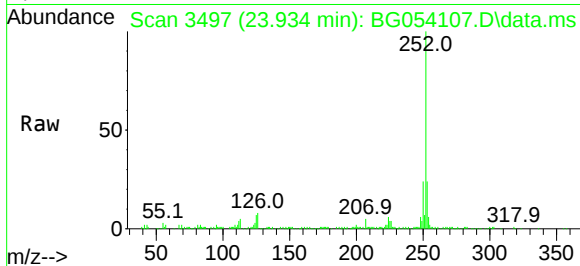




#89
Benzo(k)fluoranthene
Concen: 11.930 ng
RT: 23.934 min Scan# 34
Delta R.T. -0.071 min
Lab File: BG054107.D
Acq: 28 Jun 2022 1:01

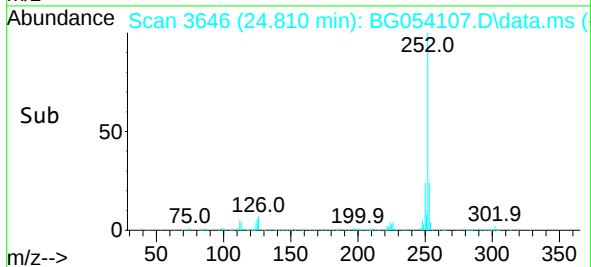
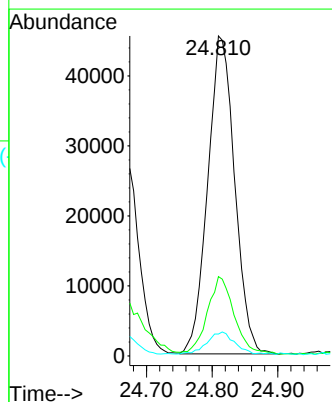
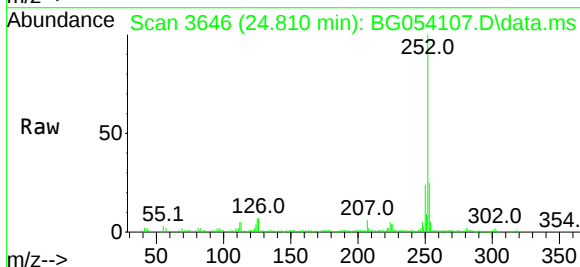
Instrument :
BNA_G
ClientSampleId :
SB-2-0-2-20220622

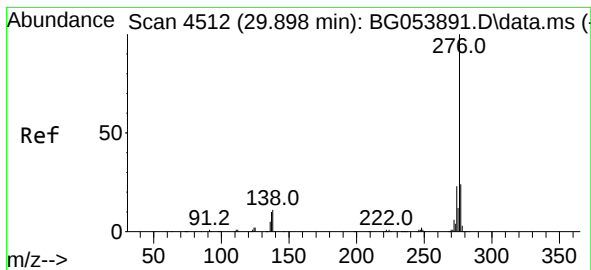
Tgt Ion:252 Resp: 174685
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 7.4 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 10.361 ng
RT: 24.810 min Scan# 3646
Delta R.T. -0.006 min
Lab File: BG054107.D
Acq: 28 Jun 2022 1:01

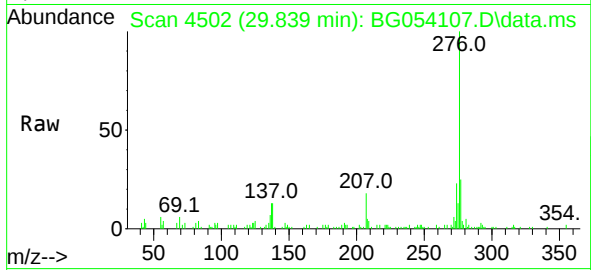
Tgt Ion:252 Resp: 129283
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.8
125 6.9 4.3 6.5#





#92
 Benzo(g,h,i)perylene
 Concen: 5.472 ng
 RT: 29.839 min Scan# 41
 Delta R.T. -0.024 min
 Lab File: BG054107.D
 Acq: 28 Jun 2022 1:01

Instrument :
 BNA_G
 ClientSampleId :
 SB-2-0-2-20220622



Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.3	25.9
138	13.4	9.6	14.4

