

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
 Data File : BG054293.D
 Acq On : 14 Jul 2022 23:58
 Operator : CG/JU
 Sample : N3708-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-2-071322

Quant Time: Jul 15 01:59:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 15:49:20 2022
 Response via : Initial Calibration

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

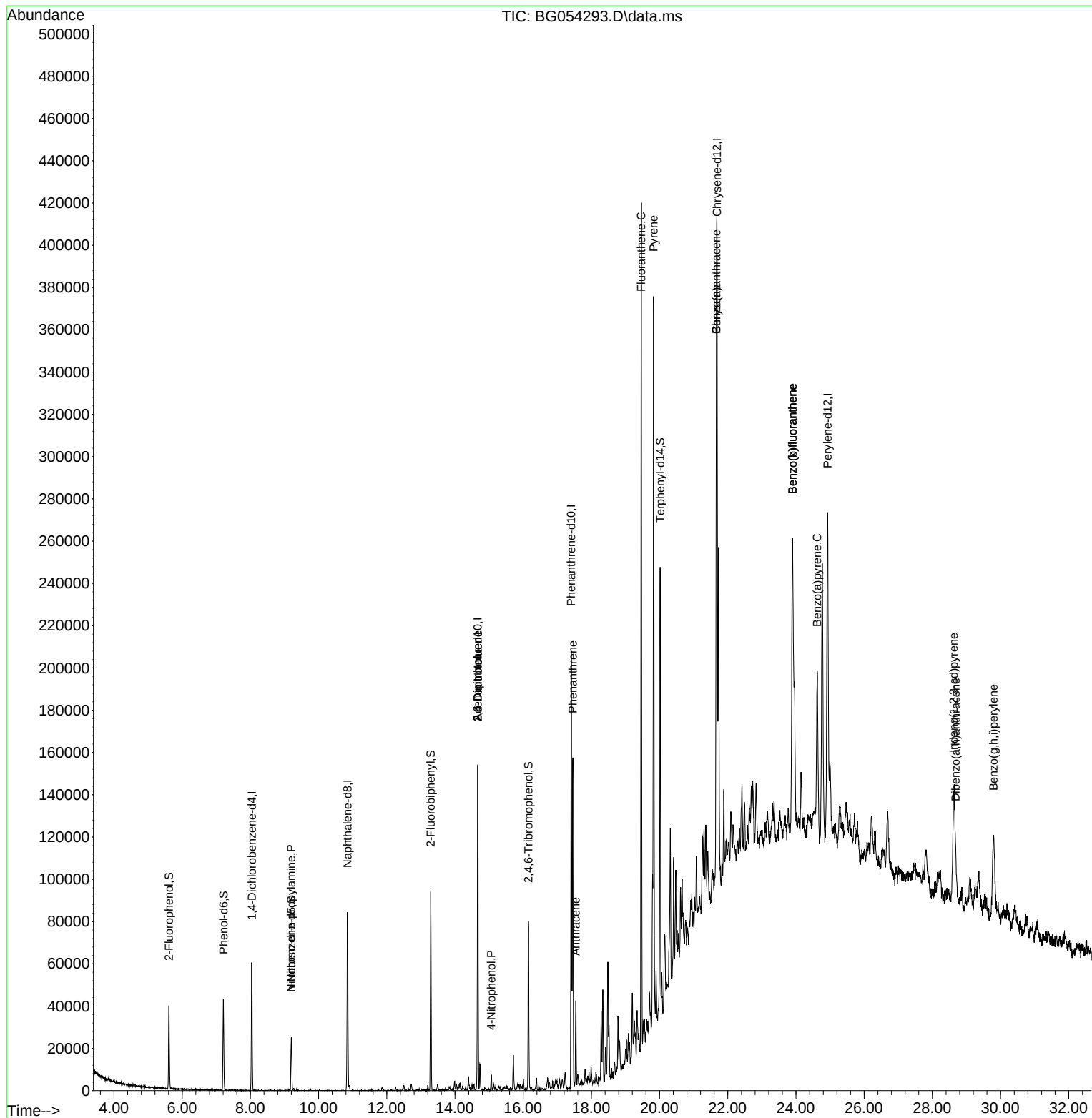
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.042	152	20092	20.000	ng	0.00
21) Naphthalene-d8	10.844	136	78860	20.000	ng	# 0.00
39) Acenaphthene-d10	14.663	164	61304	20.000	ng	0.00
64) Phenanthrene-d10	17.407	188	152322	20.000	ng	#-0.01
76) Chrysene-d12	21.684	240	176380	20.000	ng	# 0.00
86) Perylene-d12	24.928	264	191270	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.609	112	18671	18.670	ng	0.00
7) Phenol-d6	7.207	99	24419	17.704	ng	0.00
23) Nitrobenzene-d5	9.199	82	16246	11.180	ng	0.00
42) 2,4,6-Tribromophenol	16.156	330	22218	18.710	ng	0.00
45) 2-Fluorobiphenyl	13.288	172	55563	13.317	ng	0.00
79) Terphenyl-d14	20.016	244	115424	13.457	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.199	70	2343	2.488	ng	# 71
51) 2,6-Dinitrotoluene	14.663	165	8779	8.391	ng	# 16
56) 4-Nitrophenol	15.063	139	1884	3.162	ng	# 1
57) 2,4-Dinitrotoluene	14.663	165	8779	5.795	ng	# 21
71) Phenanthrene	17.454	178	112695	14.790	ng	98
72) Anthracene	17.542	178	31285	4.193	ng	99
75) Fluoranthene	19.464	202	276990	26.731	ng	95
78) Pyrene	19.822	202	253418	24.965	ng	99
81) Benzo(a)anthracene	21.661	228	157287	14.097	ng	97
83) Chrysene	21.661	228	157287	14.905	ng	96
87) Indeno(1,2,3-cd)pyrene	28.629	276	109242	7.592	ng	98
88) Benzo(b)fluoranthene	23.900	252	206945	18.246	ng	# 98
89) Benzo(k)fluoranthene	23.900	252	206945	18.392	ng	# 98
90) Benzo(a)pyrene	24.622	252	99257	10.228	ng	93
91) Dibenzo(a,h)anthracene	28.682	278	26718	2.267	ng	# 79
92) Benzo(g,h,i)perylene	29.793	276	111869	9.515	ng	# 89

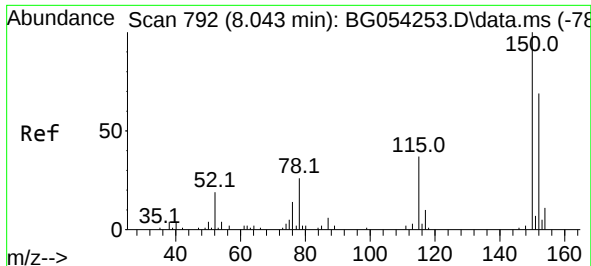
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054293.D
Acq On : 14 Jul 2022 23:58
Operator : CG/JU
Sample : N3708-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-2-071322

Quant Time: Jul 15 01:59:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 12 15:49:20 2022
Response via : Initial Calibration

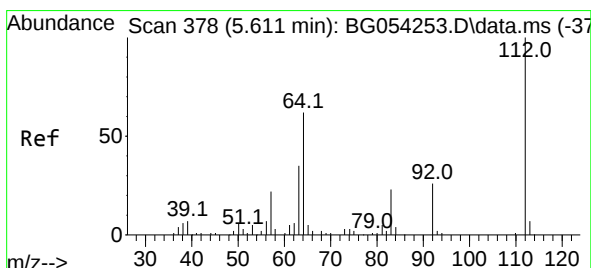
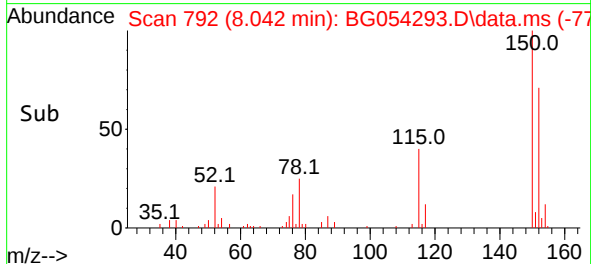
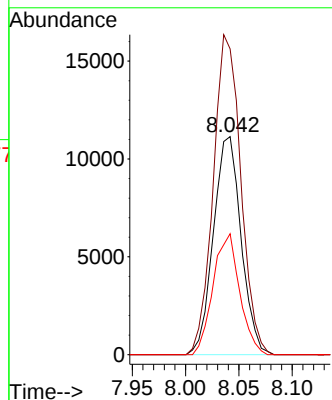
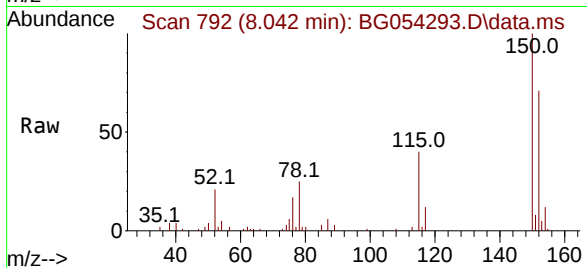




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.042 min Scan# 792
Delta R.T. -0.001 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

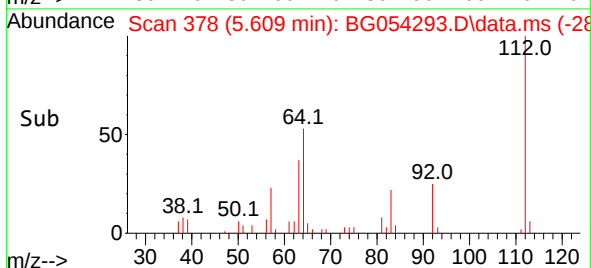
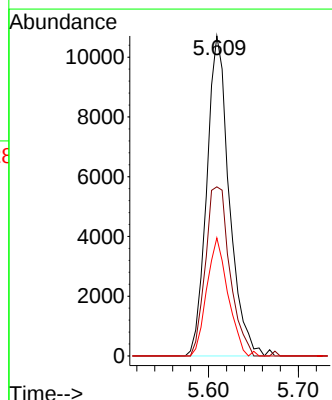
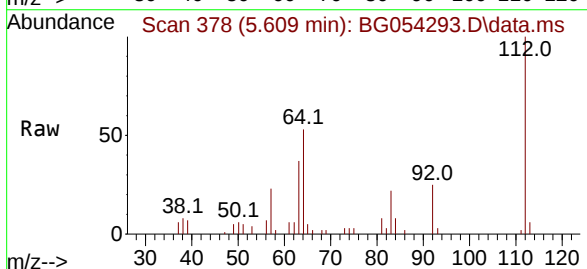
Instrument :
BNA_G
ClientSampleId :
OR-2-071322

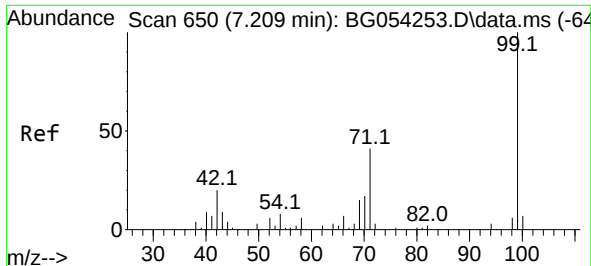
Tgt Ion:152 Resp: 20092
Ion Ratio Lower Upper
152 100
150 140.1 131.6 197.4
115 55.4 50.9 76.3



#5
2-Fluorophenol
Concen: 18.670 ng
RT: 5.609 min Scan# 378
Delta R.T. -0.001 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

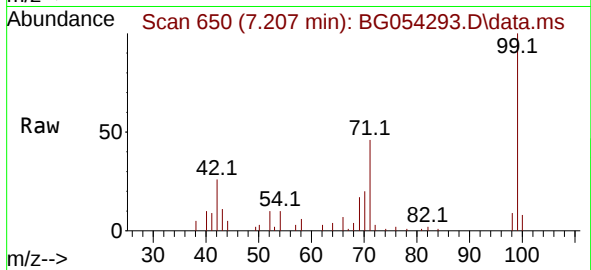
Tgt Ion:112 Resp: 18671
Ion Ratio Lower Upper
112 100
64 52.9 55.1 82.7#
63 36.9 30.4 45.6



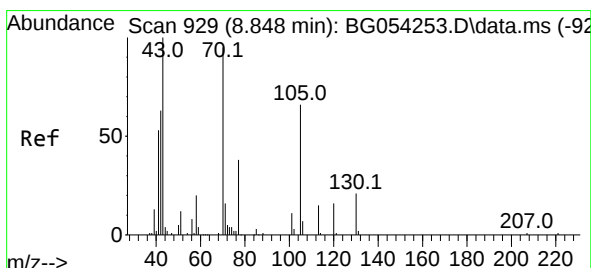
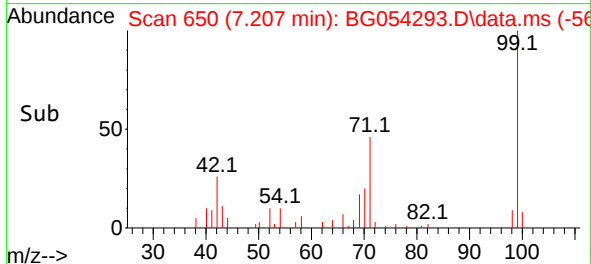
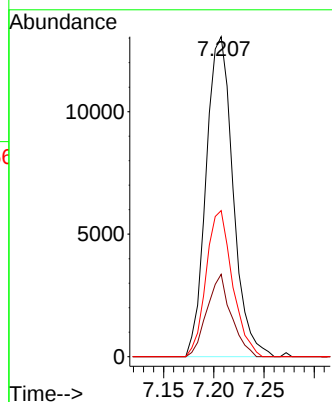


#7
Phenol-d6
Concen: 17.704 ng
RT: 7.207 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

Instrument :
BNA_G
ClientSampleId :
OR-2-071322

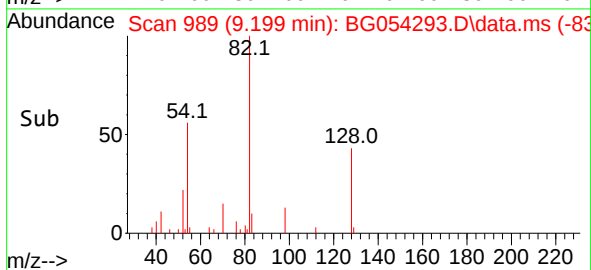
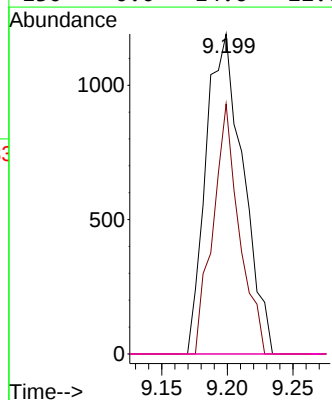
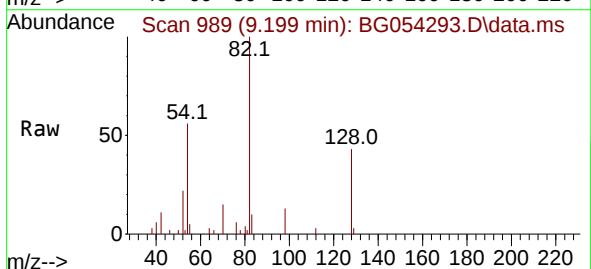


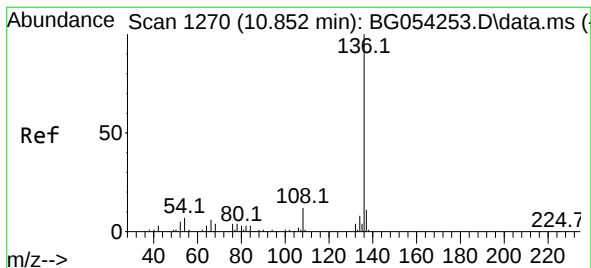
Tgt Ion: 99 Resp: 24419
Ion Ratio Lower Upper
99 100
42 25.7 17.0 25.6#
71 45.7 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.488 ng
RT: 9.199 min Scan# 989
Delta R.T. 0.351 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

Tgt Ion: 70 Resp: 2343
Ion Ratio Lower Upper
70 100
42 78.1 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: 10.844 min Scan# 11

Delta R.T. -0.008 min

Lab File: BG054293.D

Acq: 14 Jul 2022 23:58

Instrument :

BNA_G

ClientSampleId :

OR-2-071322

Tgt Ion:136 Resp: 78860

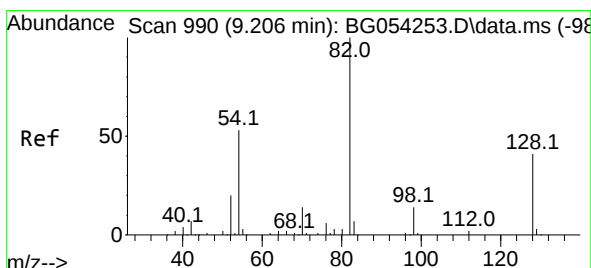
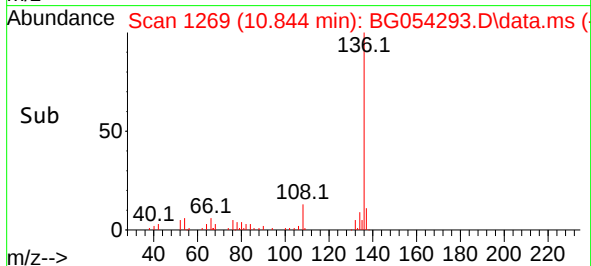
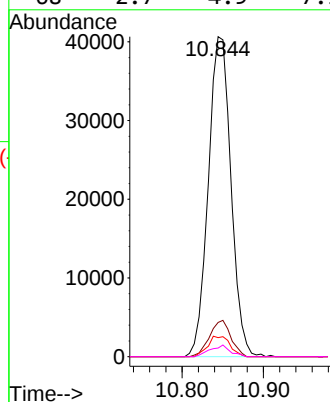
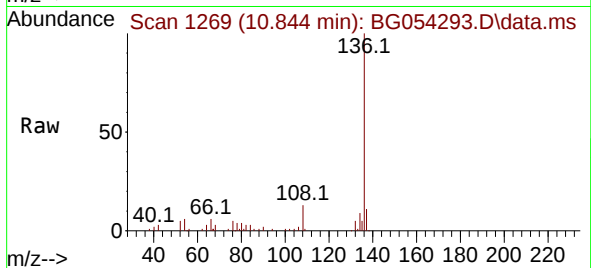
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 5.9 7.4 11.2#

68 2.7 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 11.180 ng

RT: 9.199 min Scan# 989

Delta R.T. -0.007 min

Lab File: BG054293.D

Acq: 14 Jul 2022 23:58

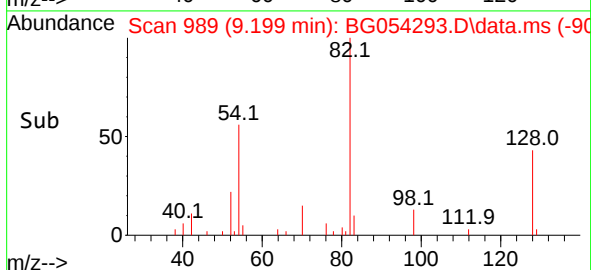
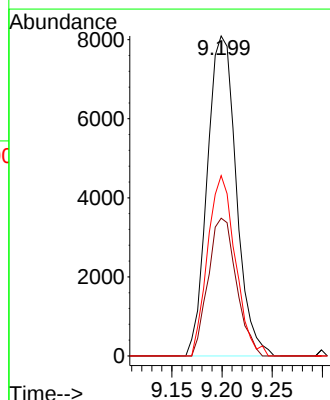
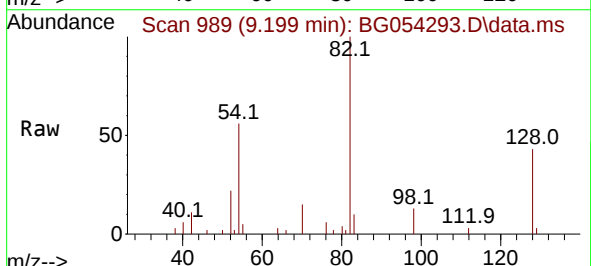
Tgt Ion: 82 Resp: 16246

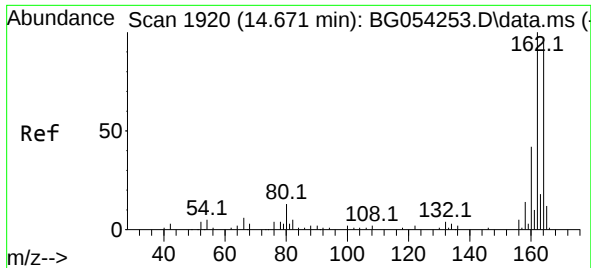
Ion Ratio Lower Upper

82 100

128 43.0 27.9 41.9#

54 56.4 41.2 61.8



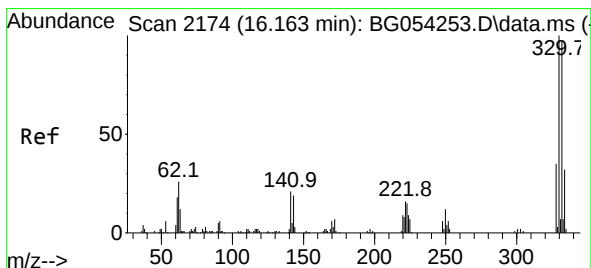
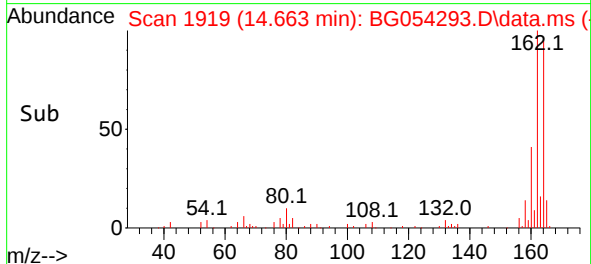
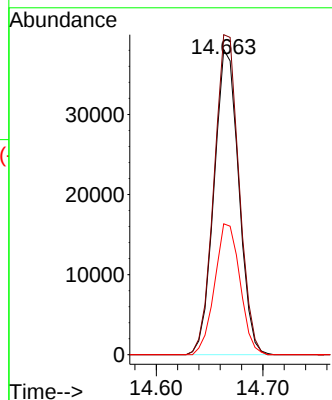
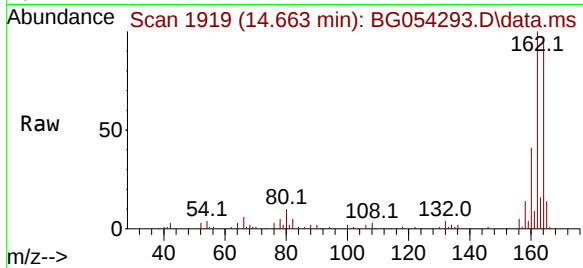


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.663 min Scan# 1919
 Delta R.T. -0.008 min
 Lab File: BG054293.D
 Acq: 14 Jul 2022 23:58

Instrument :
 BNA_G
 ClientSampleId :
 OR-2-071322

Tgt Ion:164 Resp: 61304

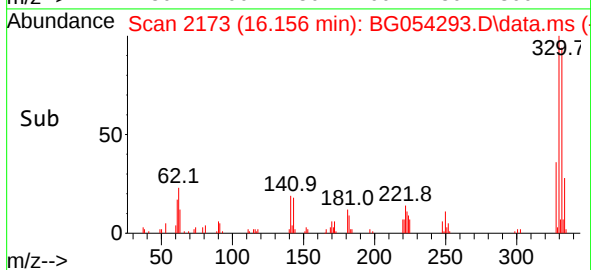
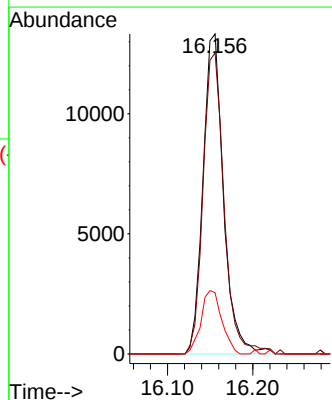
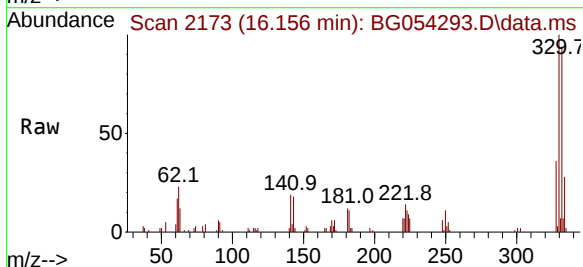
Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.3	123.5
160	42.9	34.2	51.2

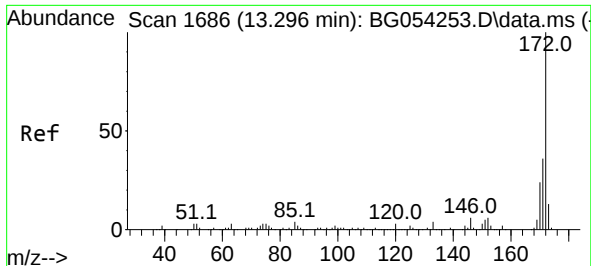


#42
 2,4,6-Tribromophenol
 Concen: 18.710 ng
 RT: 16.156 min Scan# 2173
 Delta R.T. -0.007 min
 Lab File: BG054293.D
 Acq: 14 Jul 2022 23:58

Tgt Ion:330 Resp: 22218

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.0	114.0
141	20.2	27.1	40.7

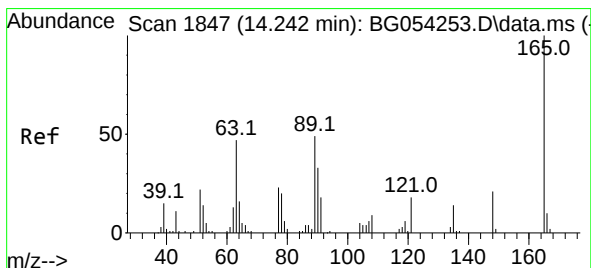
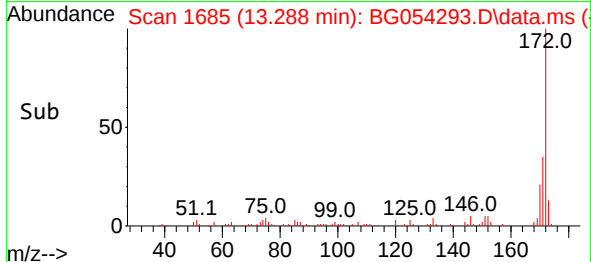
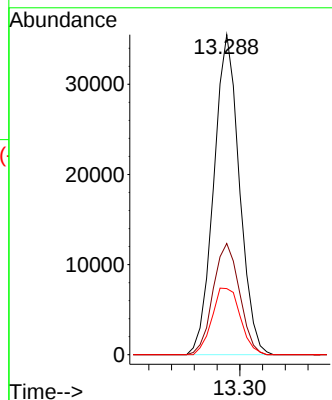
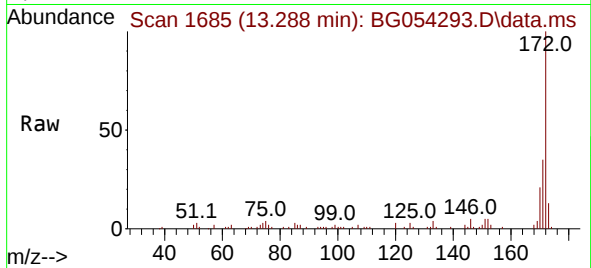




#45
2-Fluorobiphenyl
Concen: 13.317 ng
RT: 13.288 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

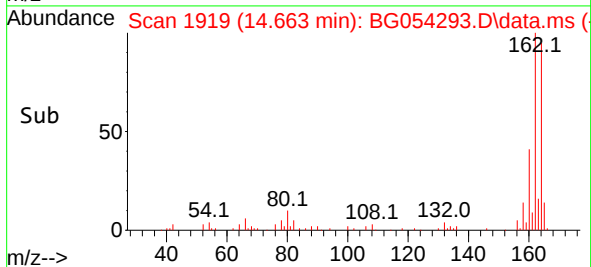
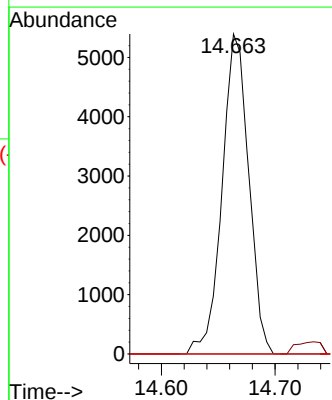
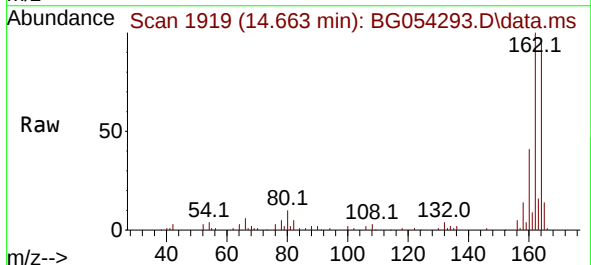
Instrument :
BNA_G
ClientSampleId :
OR-2-071322

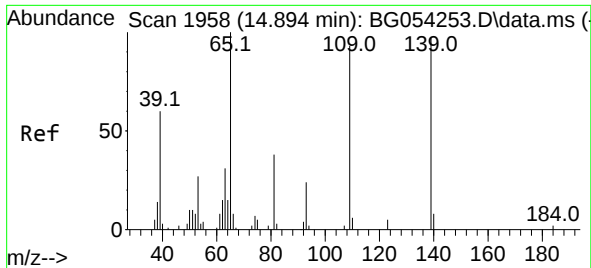
Tgt Ion:172 Resp: 55563
Ion Ratio Lower Upper
172 100
171 34.8 28.5 42.7
170 20.7 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.391 ng
RT: 14.663 min Scan# 1919
Delta R.T. 0.422 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

Tgt Ion:165 Resp: 8779
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

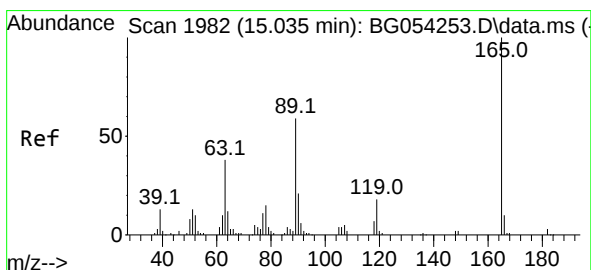
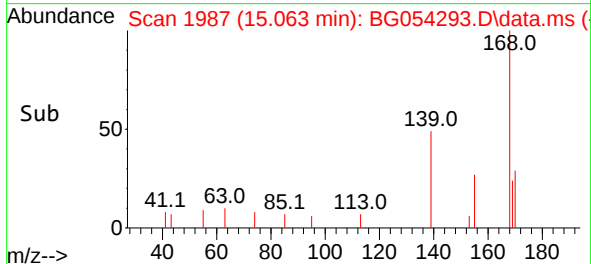
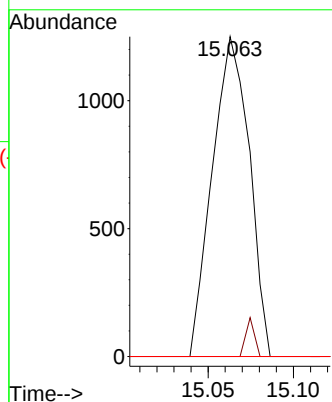
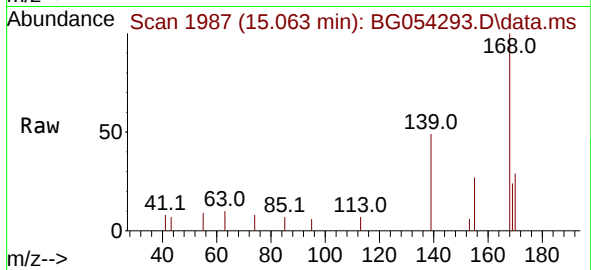




#56
4-Nitrophenol
Concen: 3.162 ng
RT: 15.063 min Scan# 1919
Delta R.T. 0.169 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

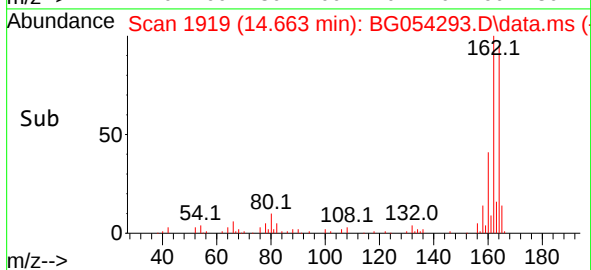
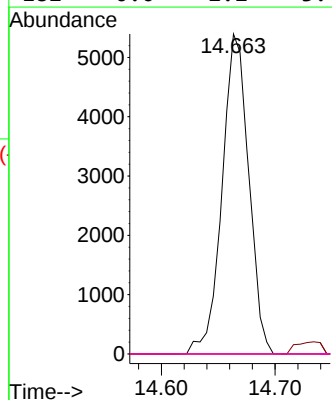
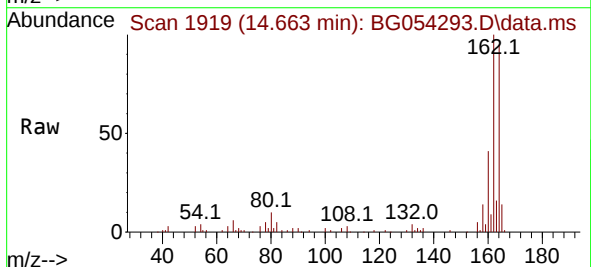
Instrument :
BNA_G
ClientSampleId :
OR-2-071322

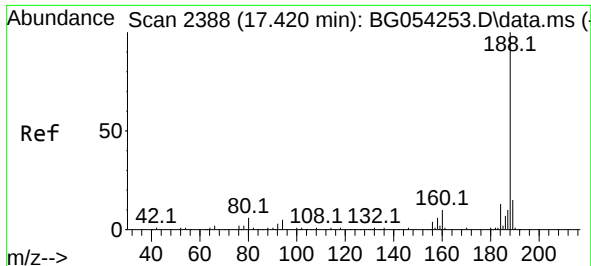
Tgt Ion:139 Resp: 1884
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#



#57
2,4-Dinitrotoluene
Concen: 5.795 ng
RT: 14.663 min Scan# 1919
Delta R.T. -0.372 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

Tgt Ion:165 Resp: 8779
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#

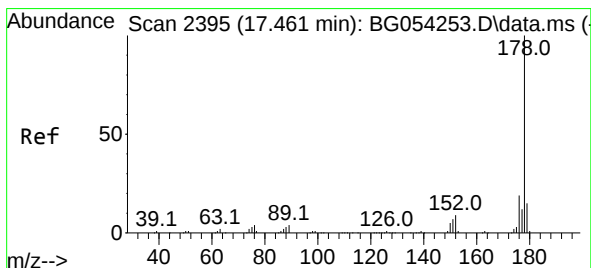
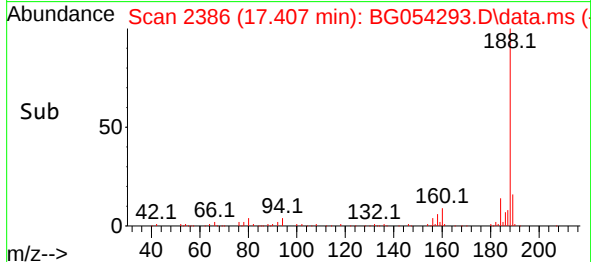
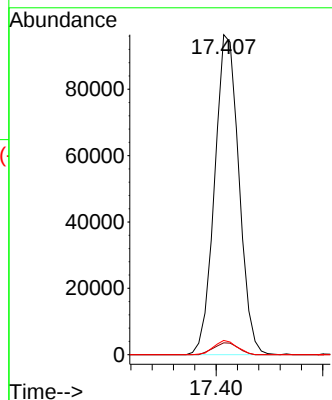
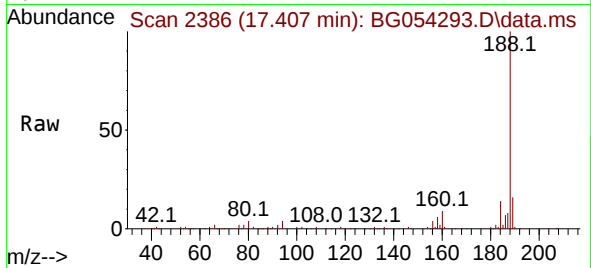




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.407 min Scan# 21
Delta R.T. -0.013 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

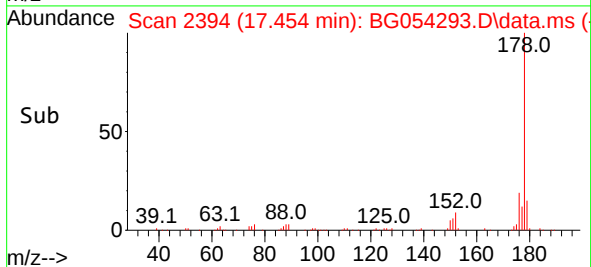
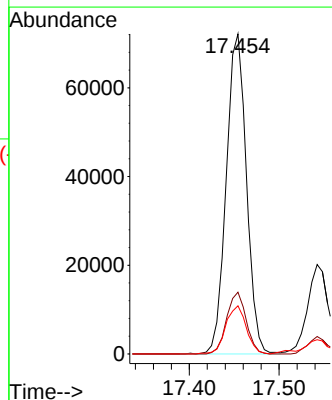
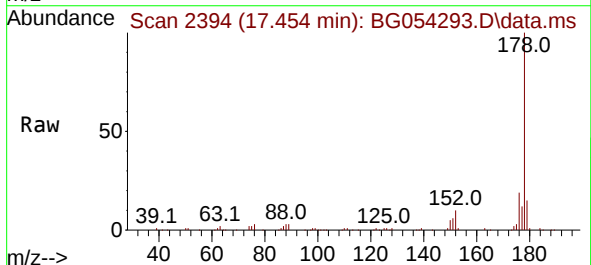
Instrument :
BNA_G
ClientSampleId :
OR-2-071322

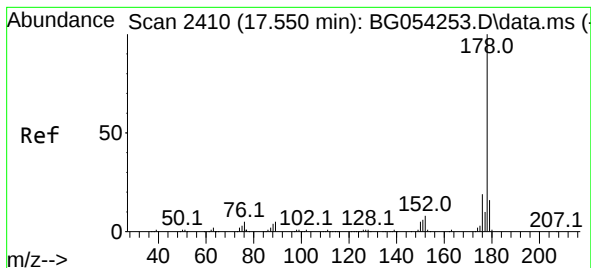
Tgt Ion:188 Resp: 152322
Ion Ratio Lower Upper
188 100
94 3.7 5.4 8.0#
80 4.4 6.8 10.2#



#71
Phenanthrene
Concen: 14.790 ng
RT: 17.454 min Scan# 2394
Delta R.T. -0.007 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

Tgt Ion:178 Resp: 112695
Ion Ratio Lower Upper
178 100
176 19.3 14.1 21.1
179 15.1 12.1 18.1





#72

Anthracene

Concen: 4.193 ng

RT: 17.542 min Scan# 2410

Delta R.T. -0.007 min

Lab File: BG054293.D

Acq: 14 Jul 2022 23:58

Instrument :

BNA_G

ClientSampleId :

OR-2-071322

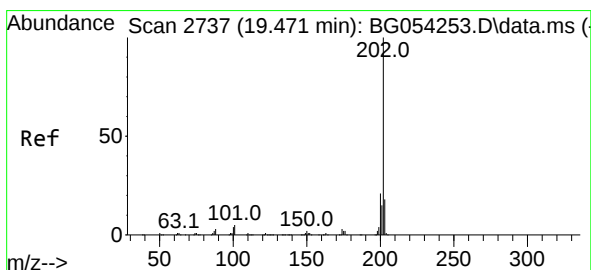
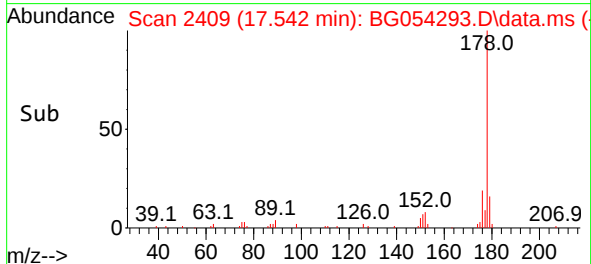
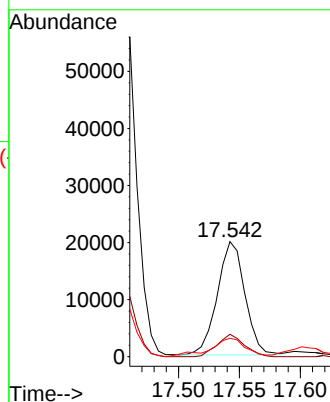
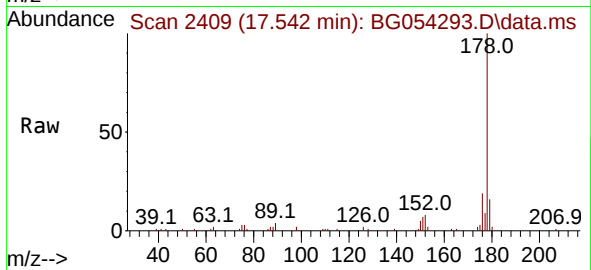
Tgt Ion:178 Resp: 31285

Ion Ratio Lower Upper

178 100

176 19.5 15.2 22.8

179 16.0 13.0 19.4



#75

Fluoranthene

Concen: 26.731 ng

RT: 19.464 min Scan# 2736

Delta R.T. -0.007 min

Lab File: BG054293.D

Acq: 14 Jul 2022 23:58

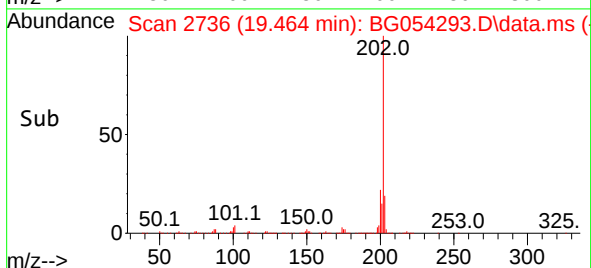
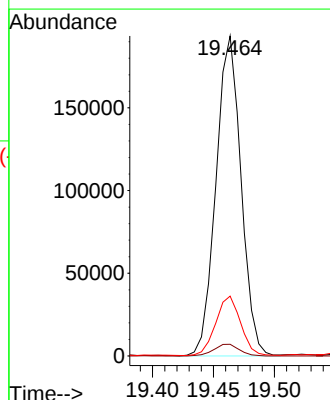
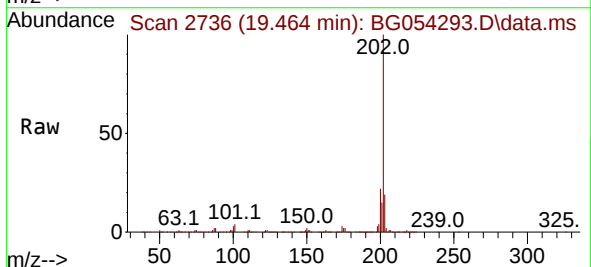
Tgt Ion:202 Resp: 276990

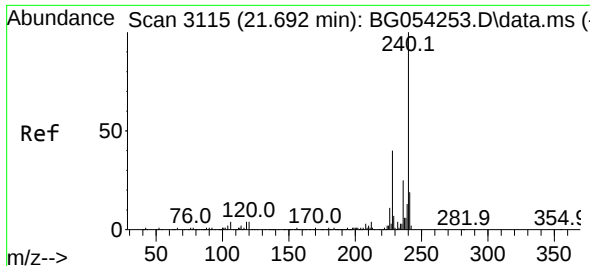
Ion Ratio Lower Upper

202 100

101 3.7 0.0 26.9

203 18.7 0.0 37.2

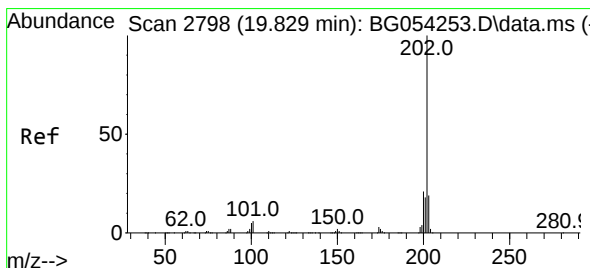
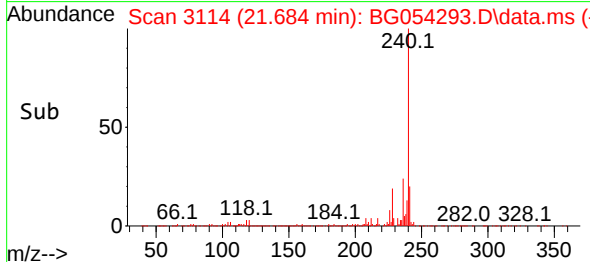
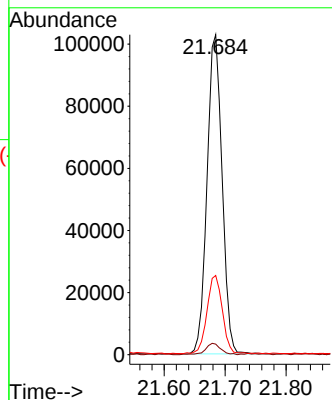
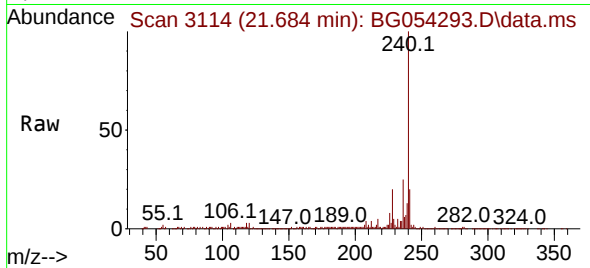




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.684 min Scan# 3115
Delta R.T. -0.008 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

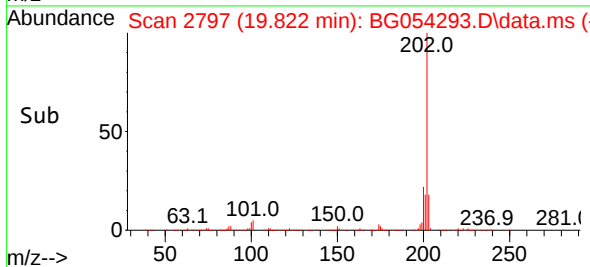
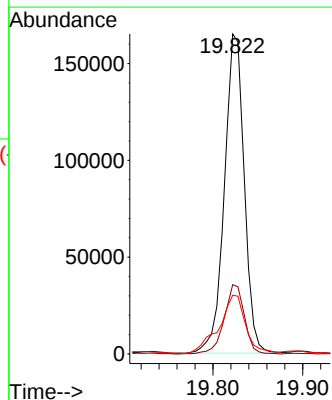
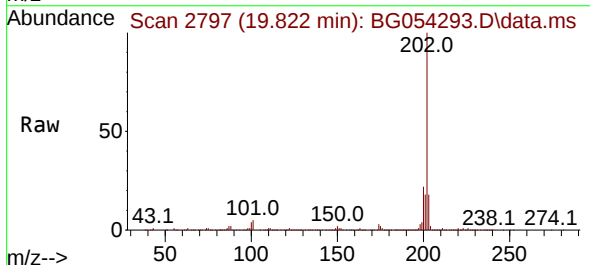
Instrument :
BNA_G
ClientSampleId :
OR-2-071322

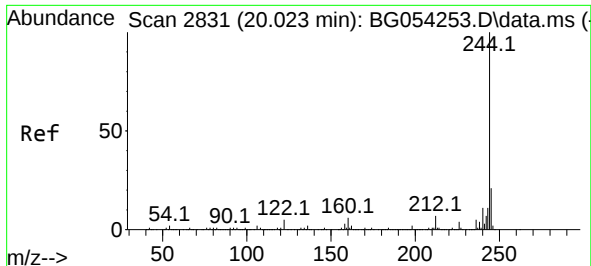
Tgt Ion:240 Resp: 176380
Ion Ratio Lower Upper
240 100
120 3.3 4.6 7.0#
236 24.8 20.2 30.4



#78
Pyrene
Concen: 24.965 ng
RT: 19.822 min Scan# 2797
Delta R.T. -0.007 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

Tgt Ion:202 Resp: 253418
Ion Ratio Lower Upper
202 100
200 21.7 16.6 24.8
203 18.4 14.6 21.8

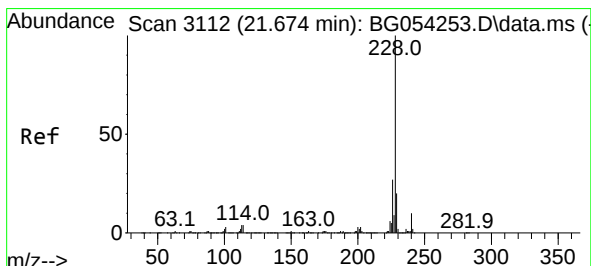
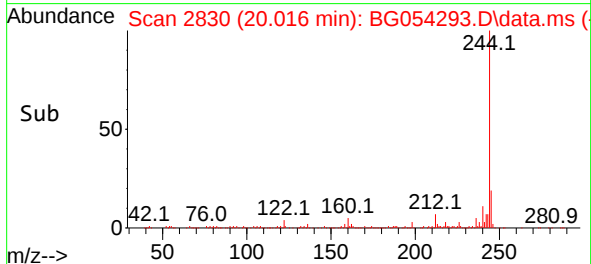
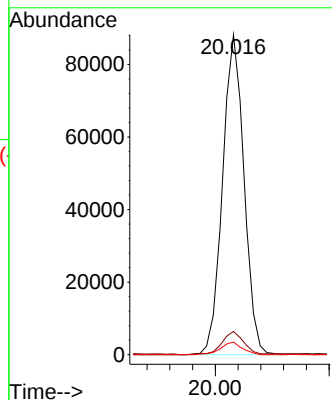
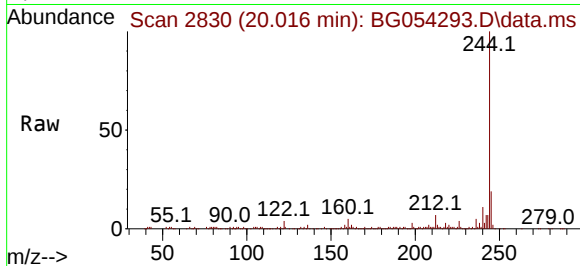




#79
 Terphenyl-d14
 Concen: 13.457 ng
 RT: 20.016 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG054293.D
 Acq: 14 Jul 2022 23:58

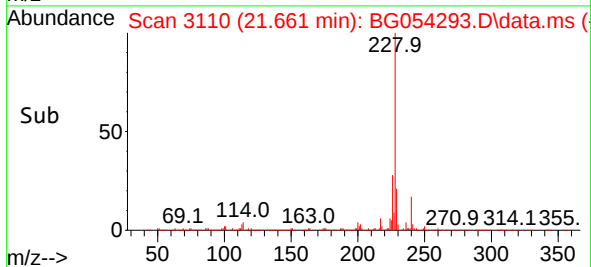
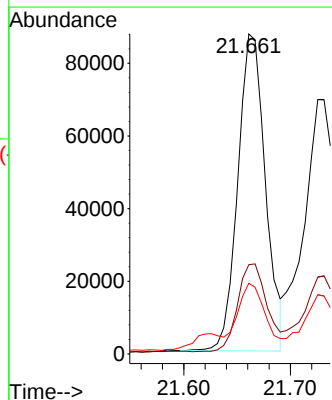
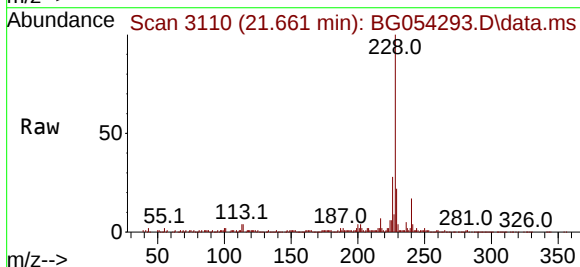
Instrument :
 BNA_G
 ClientSampleId :
 OR-2-071322

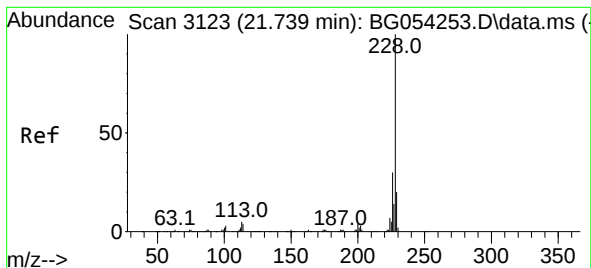
Tgt Ion:244 Resp: 115424
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 3.9 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 14.097 ng
 RT: 21.661 min Scan# 3110
 Delta R.T. -0.013 min
 Lab File: BG054293.D
 Acq: 14 Jul 2022 23:58

Tgt Ion:228 Resp: 157287
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.6 32.4
 229 22.1 16.2 24.2





#83

Chrysene

Concen: 14.905 ng

RT: 21.661 min Scan# 31

Delta R.T. -0.078 min

Lab File: BG054293.D

Acq: 14 Jul 2022 23:58

Instrument :

BNA_G

ClientSampleId :

OR-2-071322

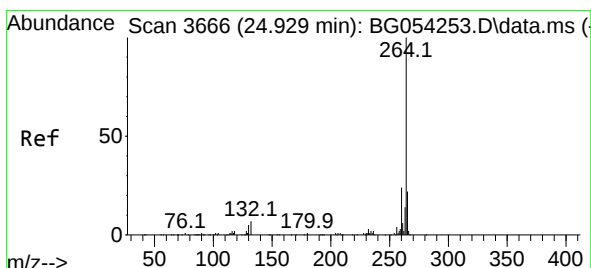
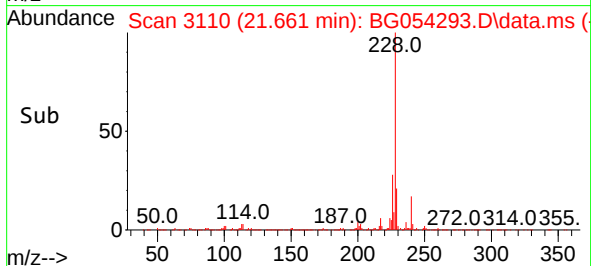
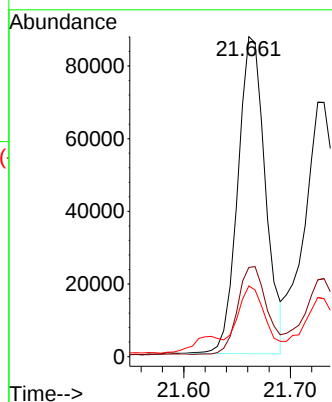
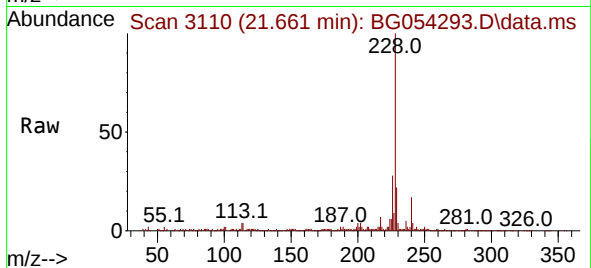
Tgt Ion:228 Resp: 157287

Ion Ratio Lower Upper

228 100

226 27.9 23.4 35.2

229 22.1 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.928 min Scan# 3666

Delta R.T. -0.001 min

Lab File: BG054293.D

Acq: 14 Jul 2022 23:58

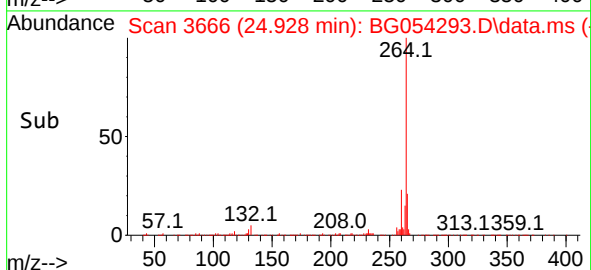
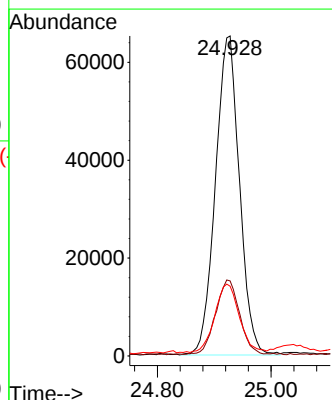
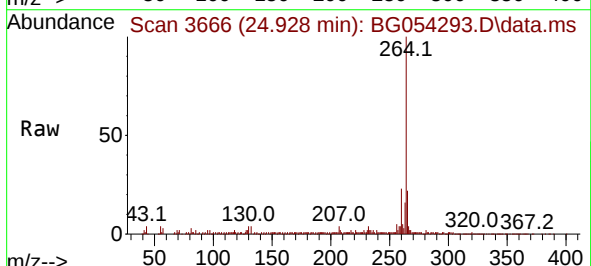
Tgt Ion:264 Resp: 191270

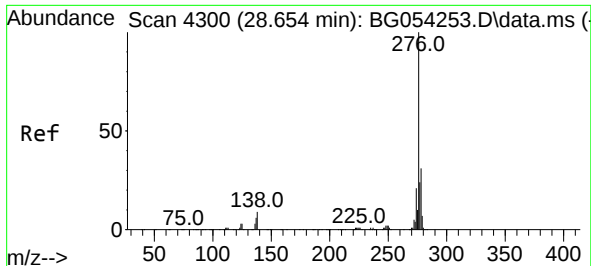
Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

265 21.8 17.4 26.2

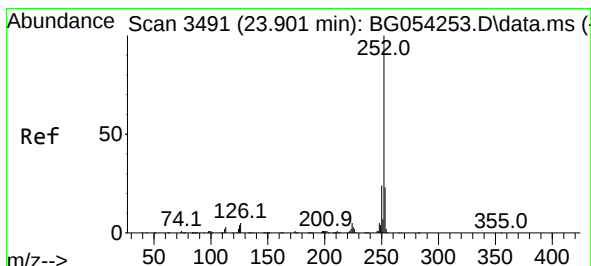
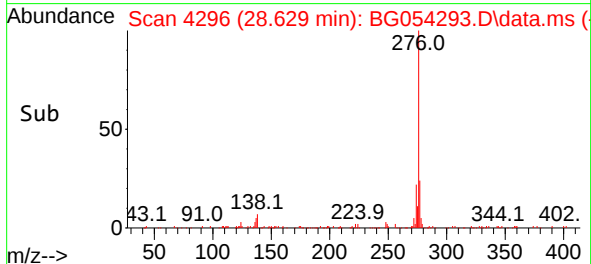
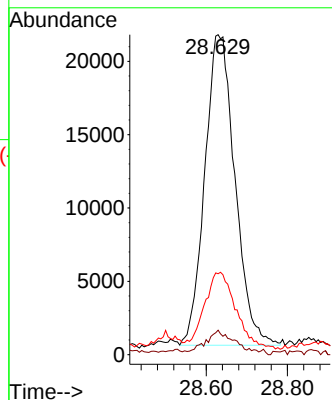
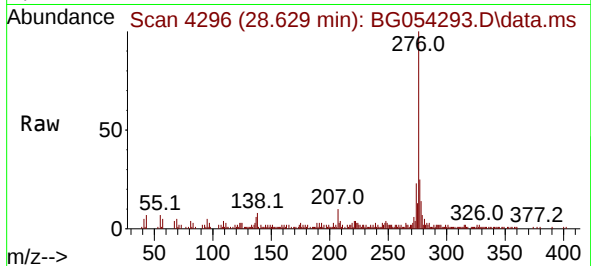




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.592 ng
 RT: 28.629 min Scan# 4300
 Delta R.T. -0.025 min
 Lab File: BG054293.D
 Acq: 14 Jul 2022 23:58

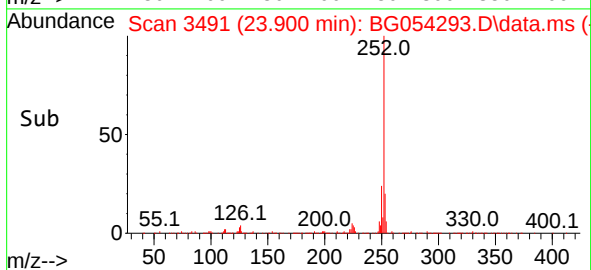
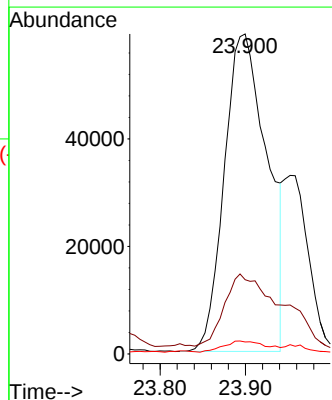
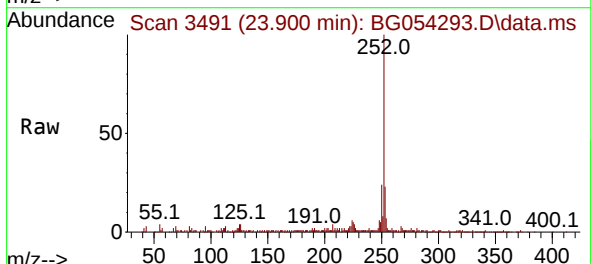
Instrument :
 BNA_G
 ClientSampleId :
 OR-2-071322

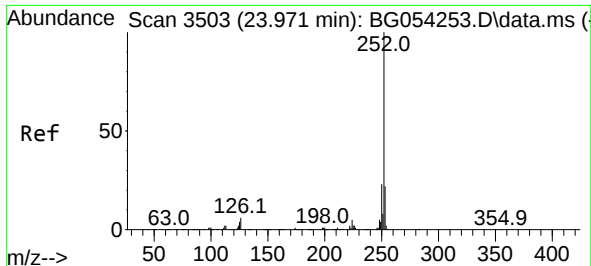
Tgt Ion:276 Resp: 109242
 Ion Ratio Lower Upper
 276 100
 138 5.4 5.0 7.4
 277 26.3 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 18.246 ng
 RT: 23.900 min Scan# 3491
 Delta R.T. -0.001 min
 Lab File: BG054293.D
 Acq: 14 Jul 2022 23:58

Tgt Ion:252 Resp: 206945
 Ion Ratio Lower Upper
 252 100
 253 23.2 18.0 27.0
 125 3.8 4.6 6.8#

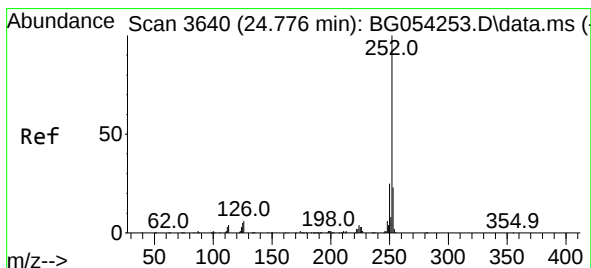
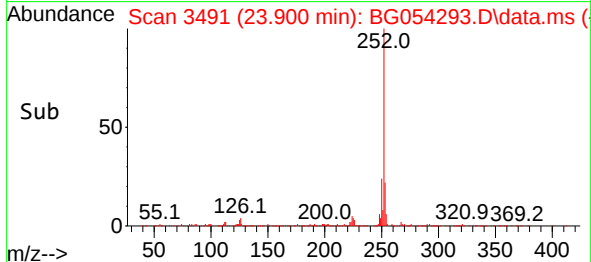
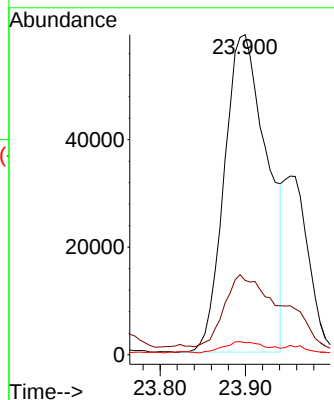
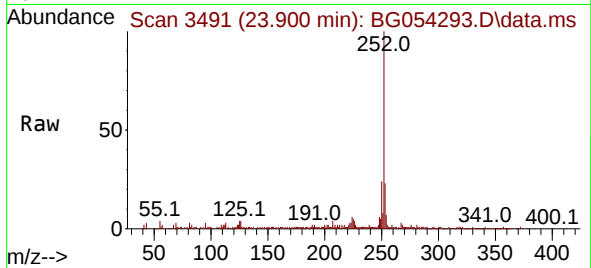




#89
Benzo(k)fluoranthene
Concen: 18.392 ng
RT: 23.900 min Scan# 34
Delta R.T. -0.072 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

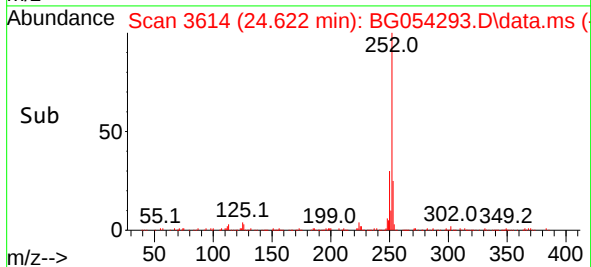
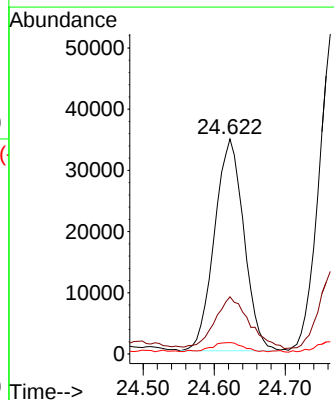
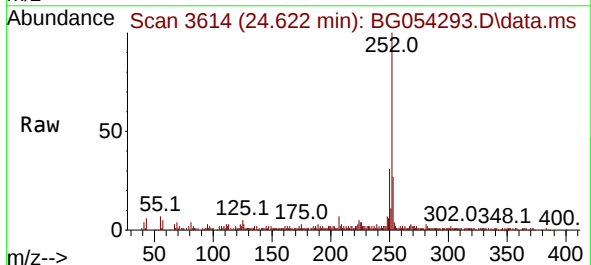
Instrument :
BNA_G
ClientSampleId :
OR-2-071322

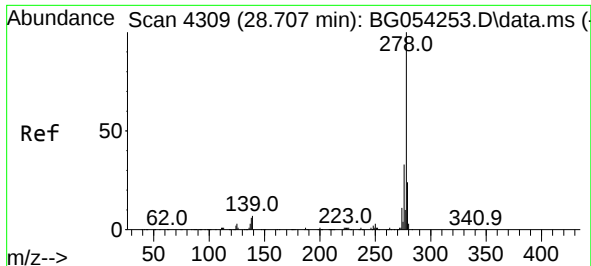
Tgt Ion:252 Resp: 206945
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 3.8 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 10.228 ng
RT: 24.622 min Scan# 3614
Delta R.T. -0.154 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

Tgt Ion:252 Resp: 99257
Ion Ratio Lower Upper
252 100
253 26.6 17.8 26.8
125 5.3 4.3 6.5

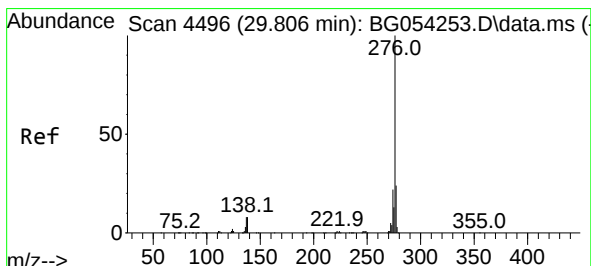
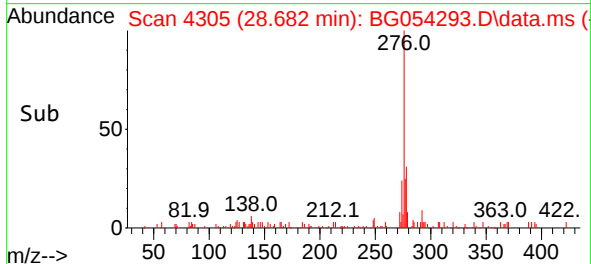
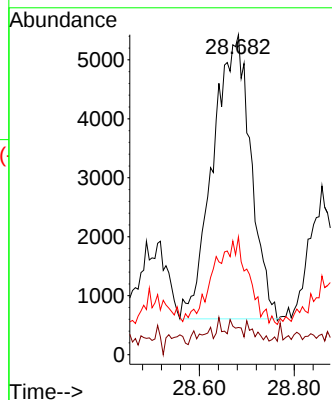
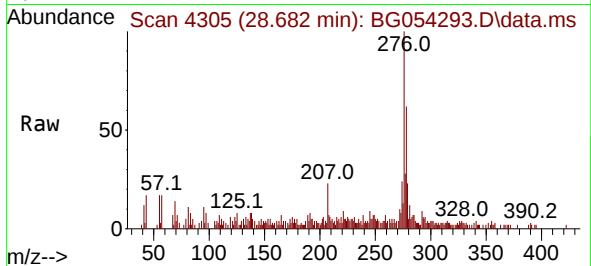




#91
 Dibenzo(a,h)anthracene
 Concen: 2.267 ng
 RT: 28.682 min Scan# 41
 Delta R.T. -0.025 min
 Lab File: BG054293.D
 Acq: 14 Jul 2022 23:58

Instrument :
 BNA_G
 ClientSampleId :
 OR-2-071322

Tgt Ion:278 Resp: 26718
 Ion Ratio Lower Upper
 278 100
 139 8.5 7.2 10.8
 279 36.8 18.6 27.8#



#92
 Benzo(g,h,i)perylene
 Concen: 9.515 ng
 RT: 29.793 min Scan# 4494
 Delta R.T. -0.013 min
 Lab File: BG054293.D
 Acq: 14 Jul 2022 23:58

Tgt Ion:276 Resp: 111869
 Ion Ratio Lower Upper
 276 100
 277 25.7 17.3 25.9
 138 6.1 9.6 14.4#

