

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072122\
 Data File : BG054354.D
 Acq On : 21 Jul 2022 21:20
 Operator : CG/JU
 Sample : N3815-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-190E

Quant Time: Jul 22 02:38:10 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

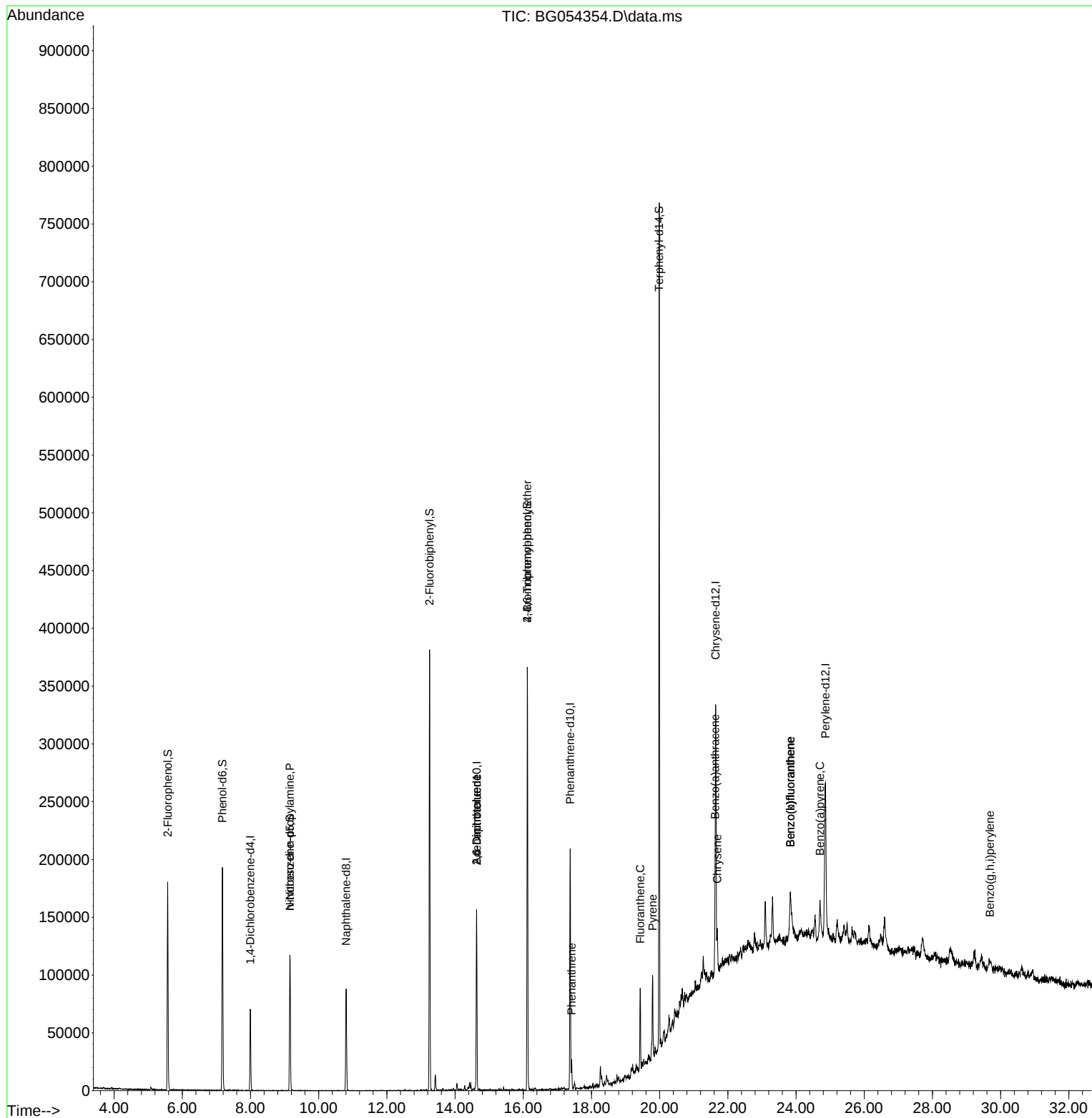
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.994	152	21521	20.000	ng	0.00
21) Naphthalene-d8	10.803	136	81921	20.000	ng	# 0.00
39) Acenaphthene-d10	14.634	164	62998	20.000	ng	0.00
64) Phenanthrene-d10	17.378	188	151815	20.000	ng	# 0.00
76) Chrysene-d12	21.643	240	161015	20.000	ng	# 0.00
86) Perylene-d12	24.863	264	173380	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.574	112	80744	78.335	ng	0.00
7) Phenol-d6	7.178	99	111320	78.817	ng	0.00
23) Nitrobenzene-d5	9.158	82	73924	49.141	ng	0.00
42) 2,4,6-Tribromophenol	16.120	330	97803	73.941	ng	0.00
45) 2-Fluorobiphenyl	13.253	172	220223	49.314	ng	0.00
79) Terphenyl-d14	19.986	244	407259	50.177	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.178	77	56	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.158	70	10448	11.078	ng	# 83
51) 2,6-Dinitrotoluene	14.634	165	8638	8.003	ng	# 18
57) 2,4-Dinitrotoluene	14.634	165	8638	5.583	ng	# 23
67) 4-Bromophenyl-phenylether	16.120	248	5626	2.639	ng	# 1
71) Phenanthrene	17.419	178	18172	2.404	ng	97
75) Fluoranthene	19.428	202	49535	4.806	ng	93
78) Pyrene	19.792	202	51750	5.601	ng	100
81) Benzo(a)anthracene	21.625	228	33154	3.244	ng	94
83) Chrysene	21.690	228	32347	3.350	ng	# 94
88) Benzo(b)fluoranthene	23.835	252	47544	4.637	ng	# 84
89) Benzo(k)fluoranthene	23.835	252	47544	4.659	ng	# 86
90) Benzo(a)pyrene	24.704	252	35264	4.027	ng	# 91
92) Benzo(g,h,i)perylene	29.687	276	22347	2.088	ng	# 92

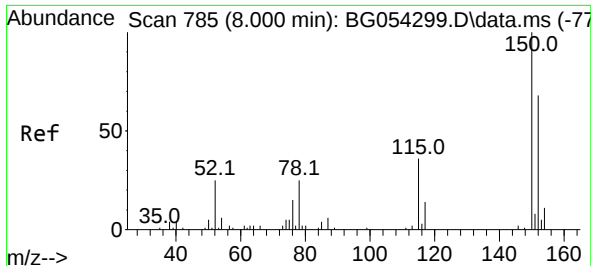
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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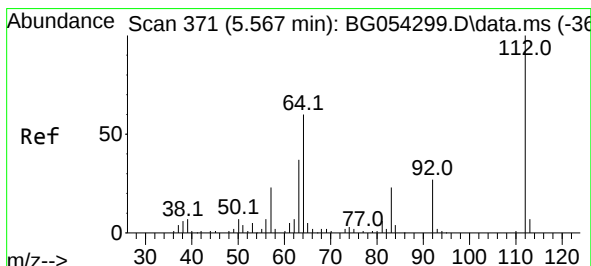
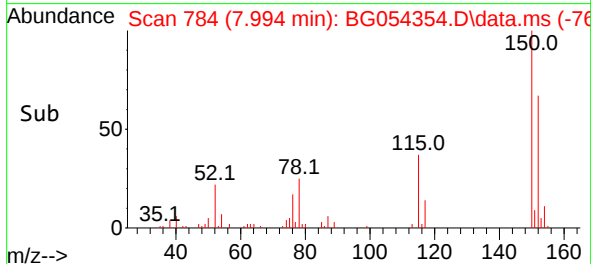
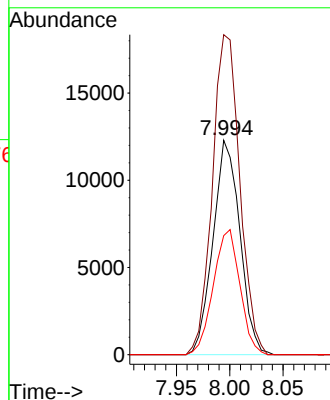
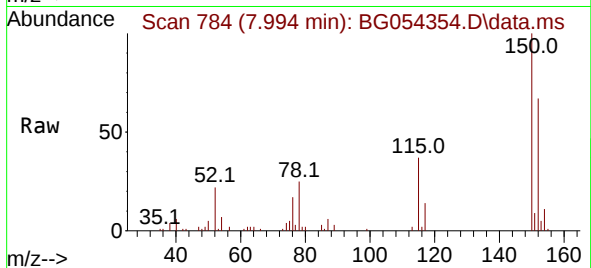




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.994 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG054354.D
Acq: 21 Jul 2022 21:20

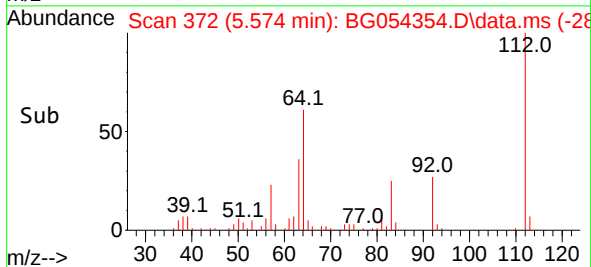
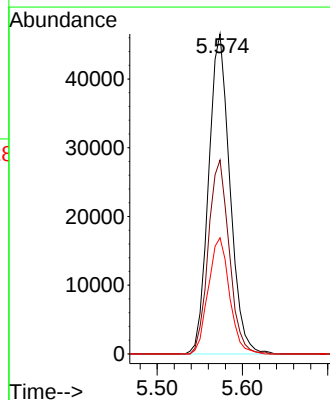
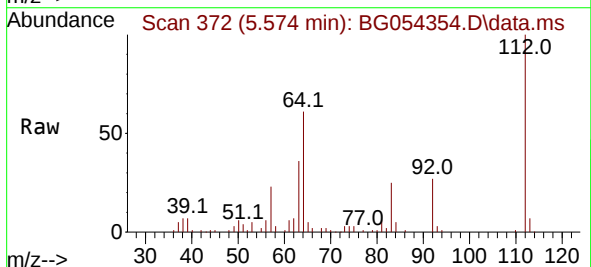
Instrument :
BNA_G
ClientSampleId :
MH-190E

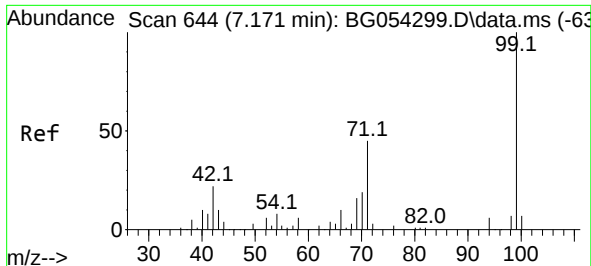
Tgt Ion:152 Resp: 21521
Ion Ratio Lower Upper
152 100
150 149.2 131.6 197.4
115 55.5 50.9 76.3



#5
2-Fluorophenol
Concen: 78.335 ng
RT: 5.574 min Scan# 372
Delta R.T. 0.006 min
Lab File: BG054354.D
Acq: 21 Jul 2022 21:20

Tgt Ion:112 Resp: 80744
Ion Ratio Lower Upper
112 100
64 60.6 55.1 82.7
63 36.3 30.4 45.6

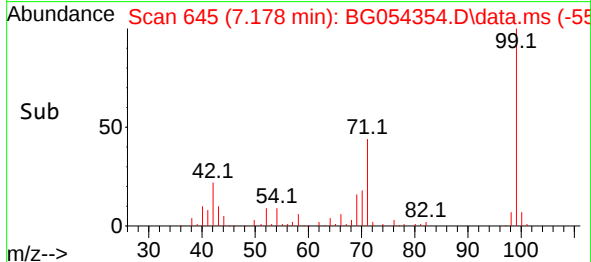
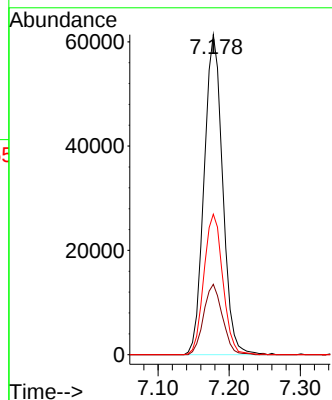
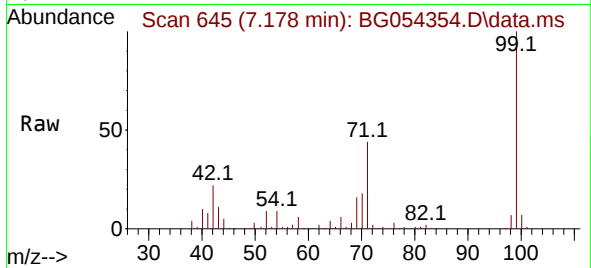




#7
Phenol-d6
Concen: 78.817 ng
RT: 7.178 min Scan# 64
Delta R.T. 0.006 min
Lab File: BG054354.D
Acq: 21 Jul 2022 21:20

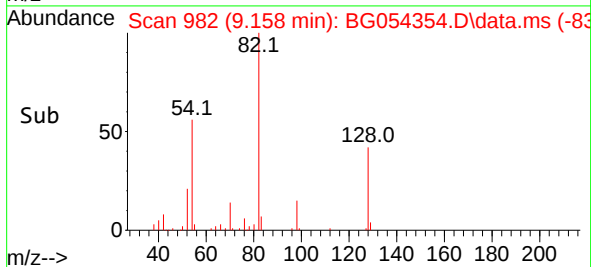
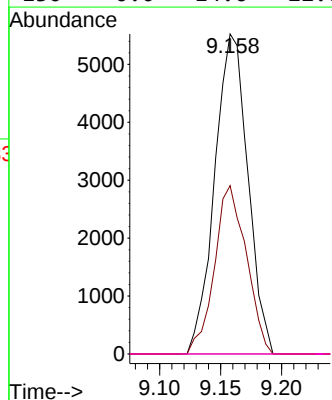
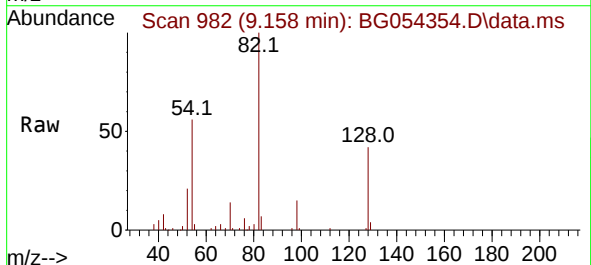
Instrument :
BNA_G
ClientSampleId :
MH-190E

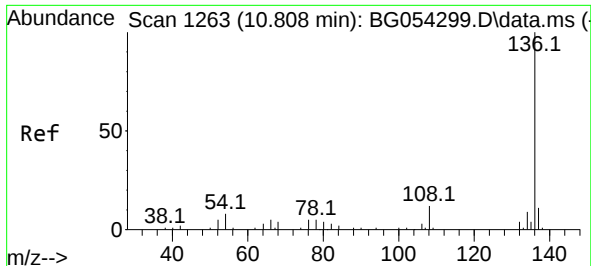
Tgt Ion: 99 Resp: 111320
Ion Ratio Lower Upper
99 100
42 22.0 17.0 25.6
71 43.9 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.078 ng
RT: 9.158 min Scan# 982
Delta R.T. 0.353 min
Lab File: BG054354.D
Acq: 21 Jul 2022 21:20

Tgt Ion: 70 Resp: 10448
Ion Ratio Lower Upper
70 100
42 52.6 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

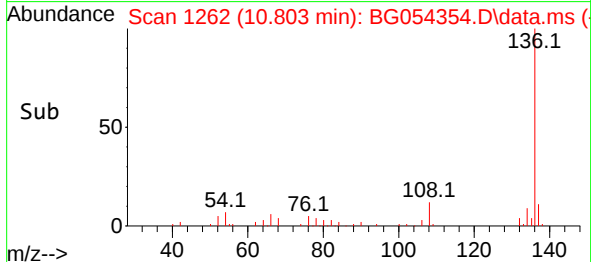
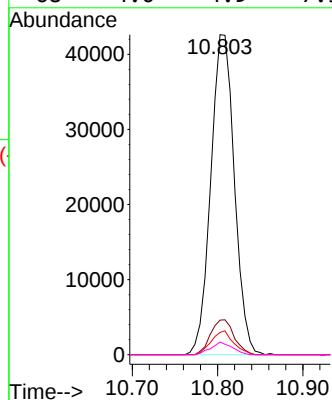
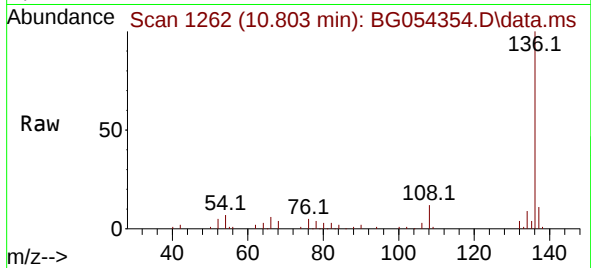




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.803 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG054354.D
Acq: 21 Jul 2022 21:20

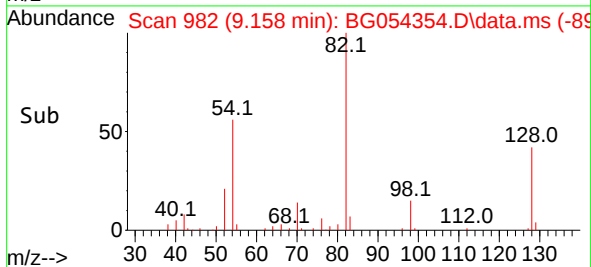
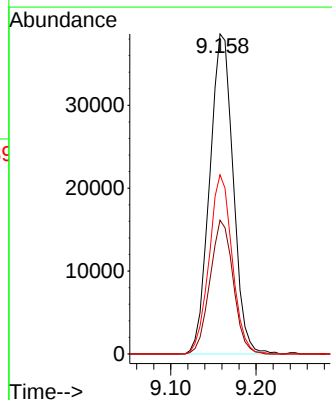
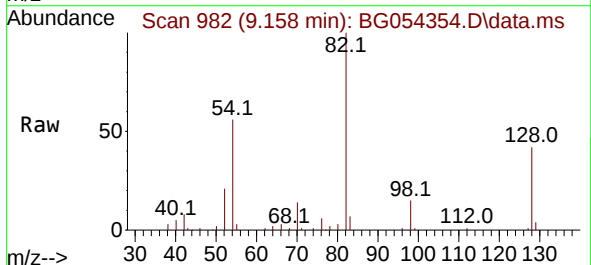
Instrument :
BNA_G
ClientSampleId :
MH-190E

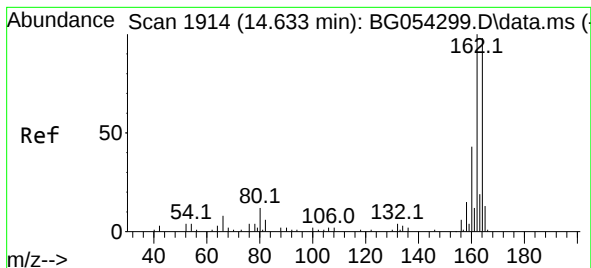
Tgt Ion:	136	Resp:	81921
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.0	7.4	11.2#
68	4.0	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 49.141 ng
RT: 9.158 min Scan# 982
Delta R.T. -0.005 min
Lab File: BG054354.D
Acq: 21 Jul 2022 21:20

Tgt Ion:	82	Resp:	73924
Ion	Ratio	Lower	Upper
82	100		
128	41.8	27.9	41.9
54	56.0	41.2	61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.634 min Scan# 1914

Delta R.T. 0.001 min

Lab File: BG054354.D

Acq: 21 Jul 2022 21:20

Instrument :

BNA_G

ClientSampleId :

MH-190E

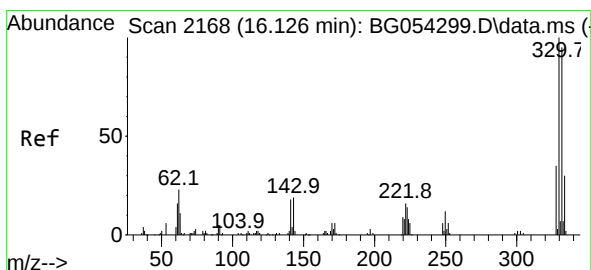
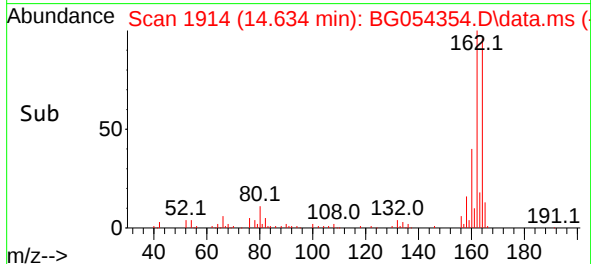
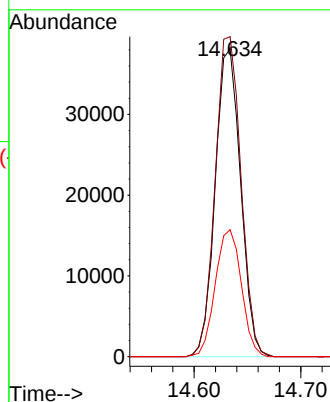
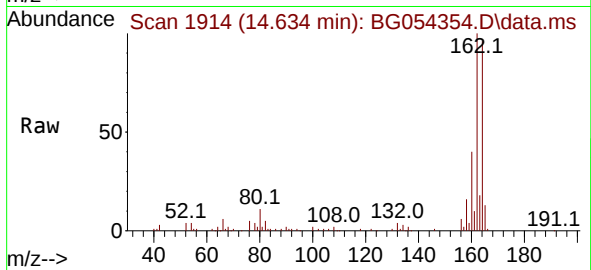
Tgt Ion:164 Resp: 62998

Ion Ratio Lower Upper

164 100

162 104.1 82.3 123.5

160 41.3 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 73.941 ng

RT: 16.120 min Scan# 2167

Delta R.T. -0.005 min

Lab File: BG054354.D

Acq: 21 Jul 2022 21:20

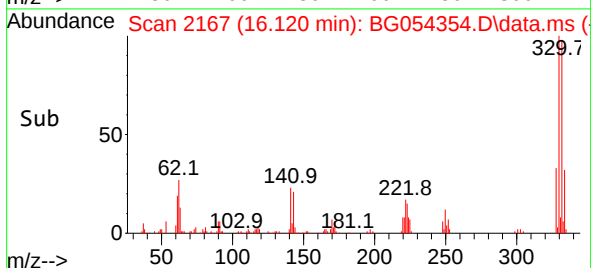
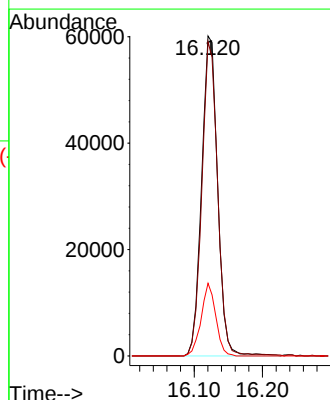
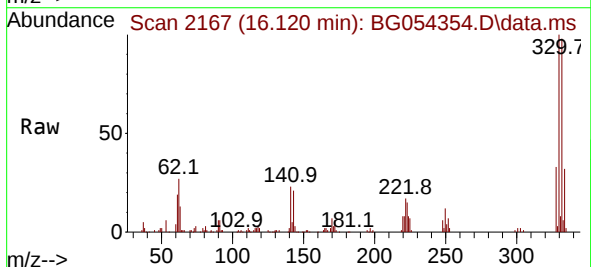
Tgt Ion:330 Resp: 97803

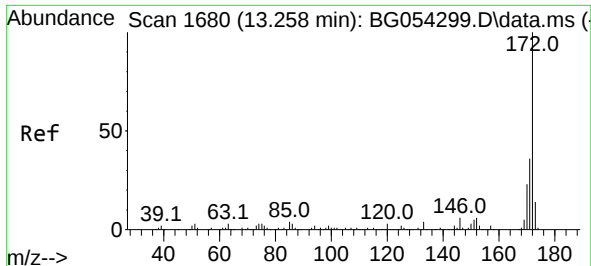
Ion Ratio Lower Upper

330 100

332 96.8 76.0 114.0

141 20.7 27.1 40.7#

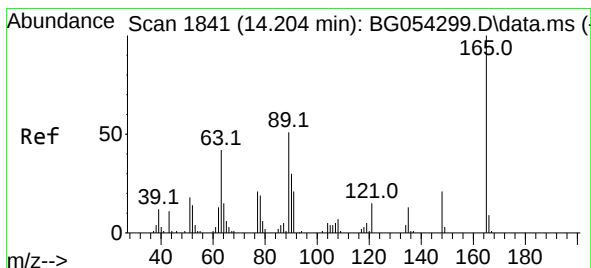
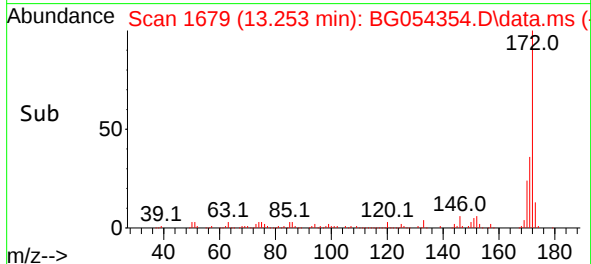
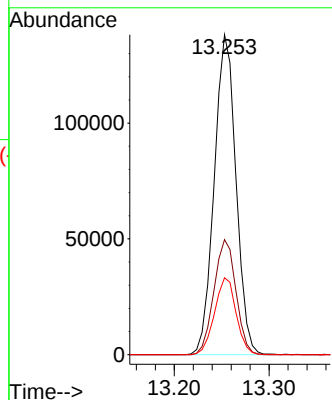
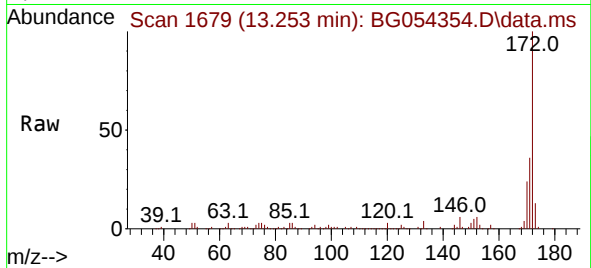




#45
2-Fluorobiphenyl
Concen: 49.314 ng
RT: 13.253 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG054354.D
Acq: 21 Jul 2022 21:20

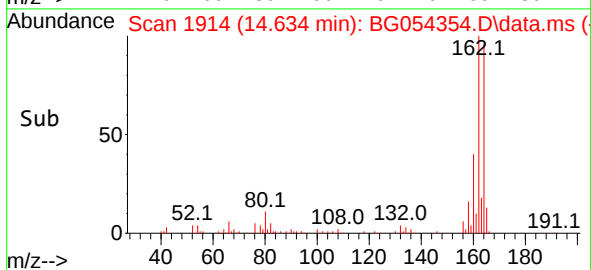
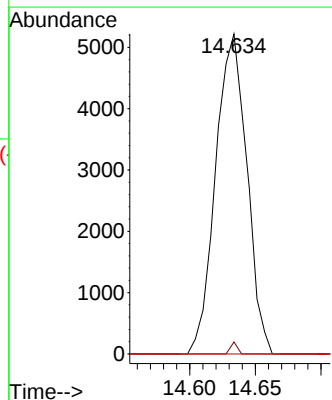
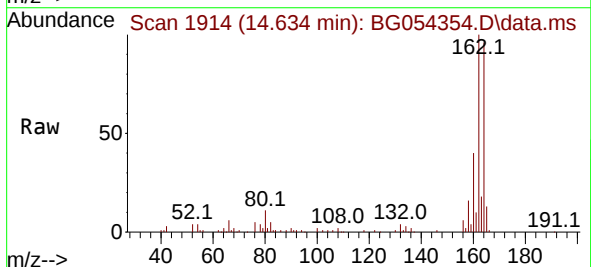
Instrument :
BNA_G
ClientSampleId :
MH-190E

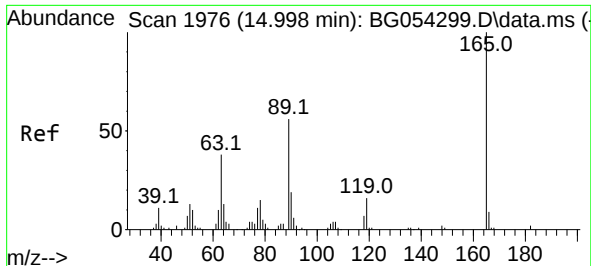
Tgt Ion:172 Resp: 220223
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 24.1 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.003 ng
RT: 14.634 min Scan# 1914
Delta R.T. 0.429 min
Lab File: BG054354.D
Acq: 21 Jul 2022 21:20

Tgt Ion:165 Resp: 8638
Ion Ratio Lower Upper
165 100
63 3.8 54.1 81.1#
89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 5.583 ng

RT: 14.634 min Scan# 1976

Delta R.T. -0.364 min

Lab File: BG054354.D

Acq: 21 Jul 2022 21:20

Instrument :

BNA_G

ClientSampleId :

MH-190E

Tgt Ion:165 Resp: 8638

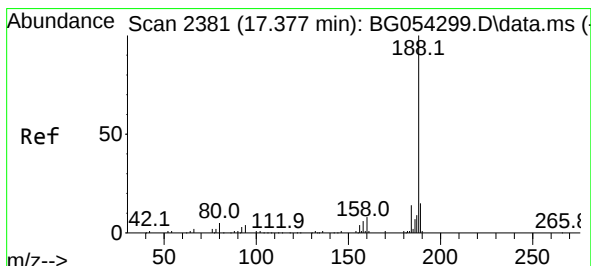
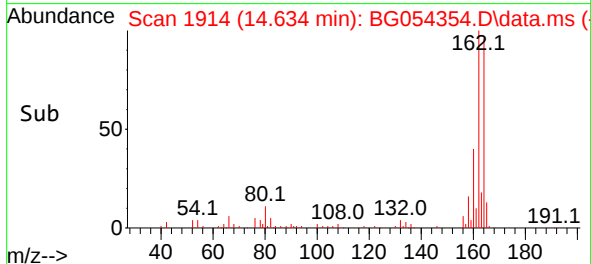
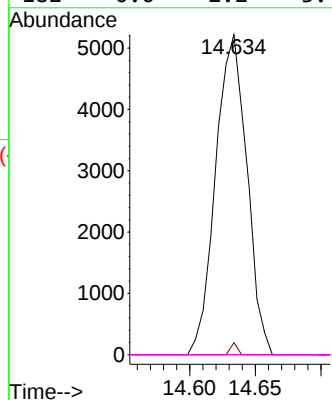
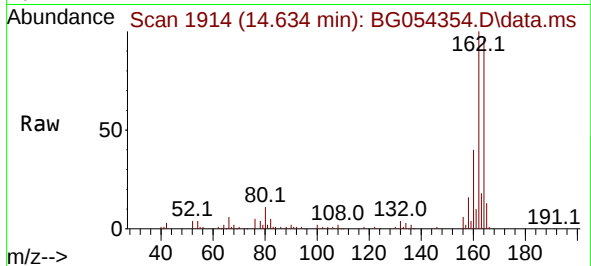
Ion Ratio Lower Upper

165 100

63 3.8 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: 17.378 min Scan# 2381

Delta R.T. 0.001 min

Lab File: BG054354.D

Acq: 21 Jul 2022 21:20

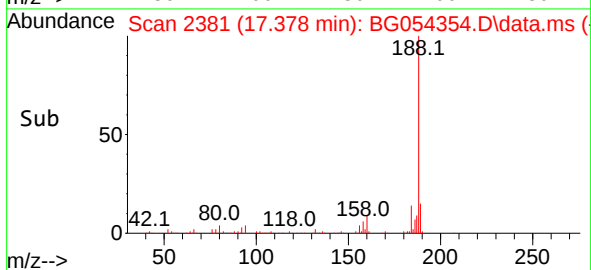
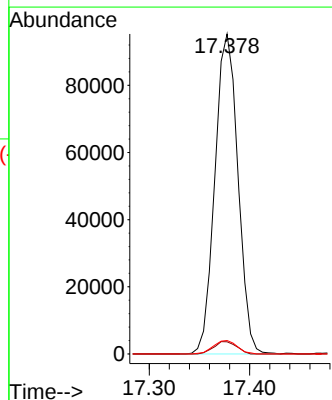
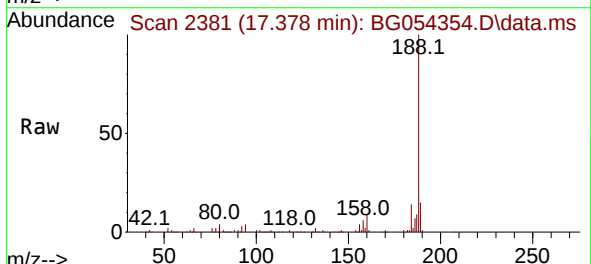
Tgt Ion:188 Resp: 151815

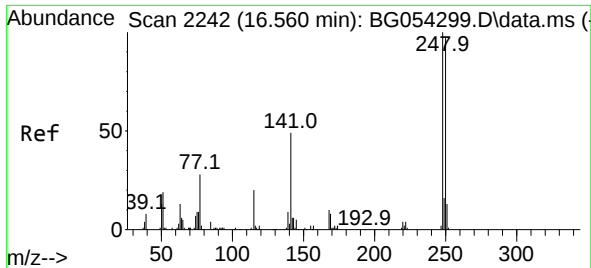
Ion Ratio Lower Upper

188 100

94 3.8 5.4 8.0#

80 4.2 6.8 10.2#

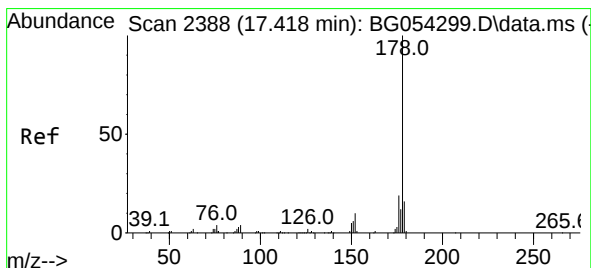
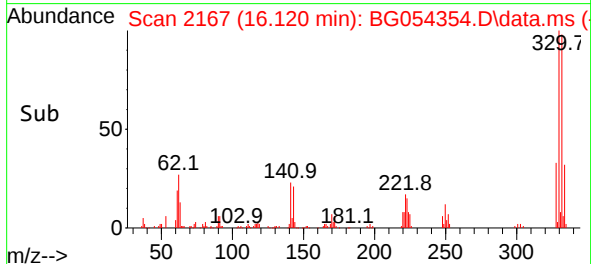
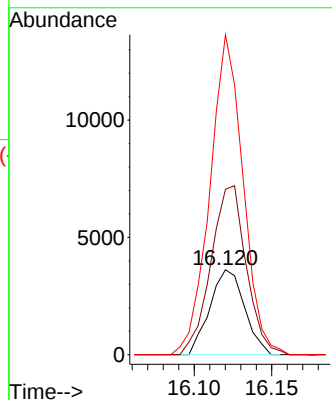
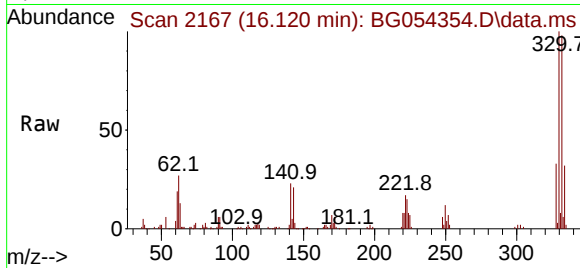




#67
4-Bromophenyl-phenylether
Concen: 2.639 ng
RT: 16.120 min Scan# 2167
Delta R.T. -0.440 min
Lab File: BG054354.D
Acq: 21 Jul 2022 21:20

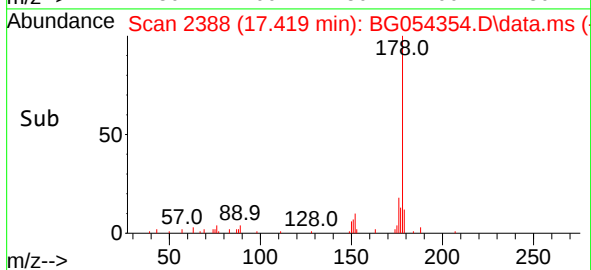
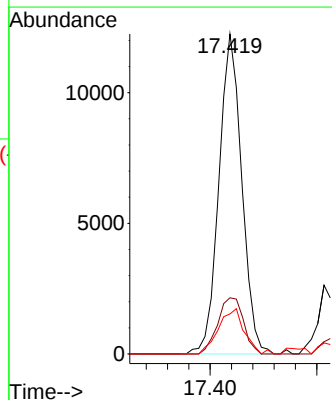
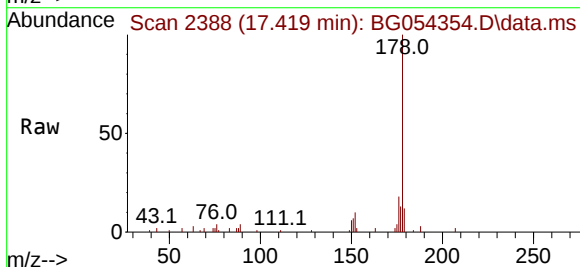
Instrument :
BNA_G
ClientSampleId :
MH-190E

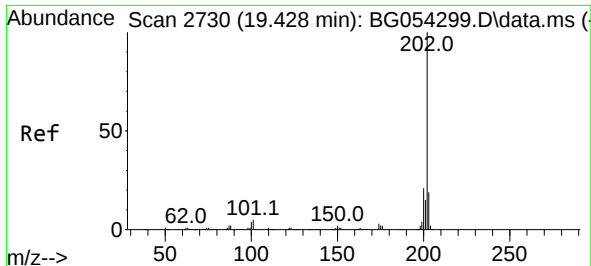
Tgt Ion:248 Resp: 5626
Ion Ratio Lower Upper
248 100
250 187.6 75.2 112.8#
141 277.5 50.0 75.0#



#71
Phenanthrene
Concen: 2.404 ng
RT: 17.419 min Scan# 2388
Delta R.T. 0.000 min
Lab File: BG054354.D
Acq: 21 Jul 2022 21:20

Tgt Ion:178 Resp: 18172
Ion Ratio Lower Upper
178 100
176 17.5 14.1 21.1
179 12.5 12.1 18.1

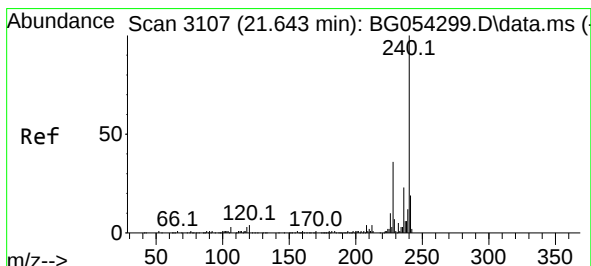
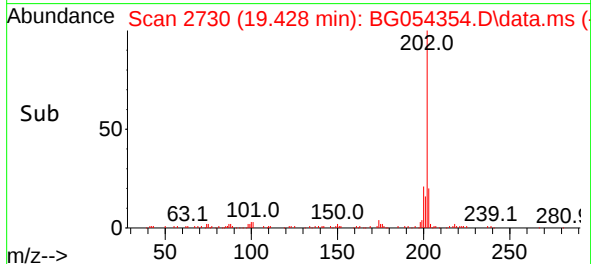
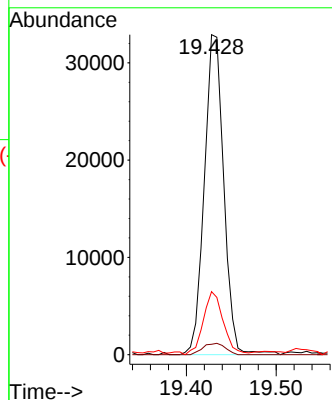
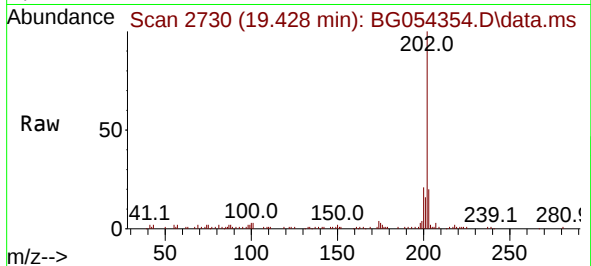




#75
Fluoranthene
Concen: 4.806 ng
RT: 19.428 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG054354.D
Acq: 21 Jul 2022 21:20

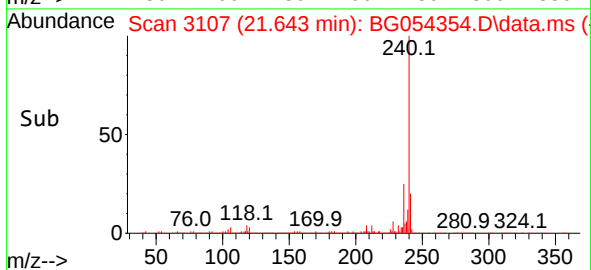
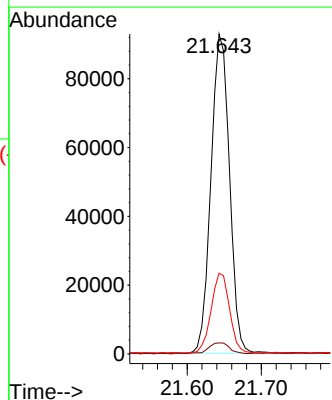
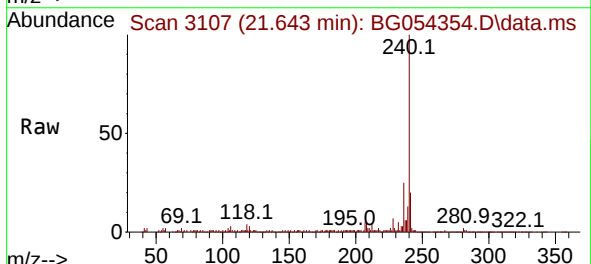
Instrument :
BNA_G
ClientSampleId :
MH-190E

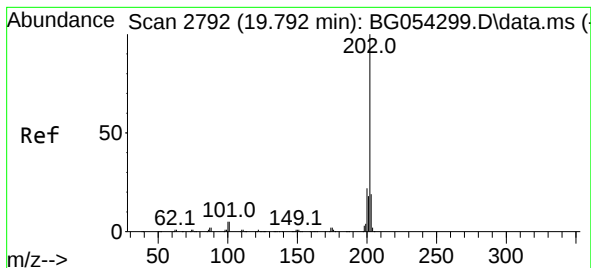
Tgt Ion:202 Resp: 49535
Ion Ratio Lower Upper
202 100
101 3.3 0.0 26.9
203 19.7 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.643 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BG054354.D
Acq: 21 Jul 2022 21:20

Tgt Ion:240 Resp: 161015
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 25.2 20.2 30.4





#78

Pyrene

Concen: 5.601 ng

RT: 19.792 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG054354.D

Acq: 21 Jul 2022 21:20

Instrument :

BNA_G

ClientSampleId :

MH-190E

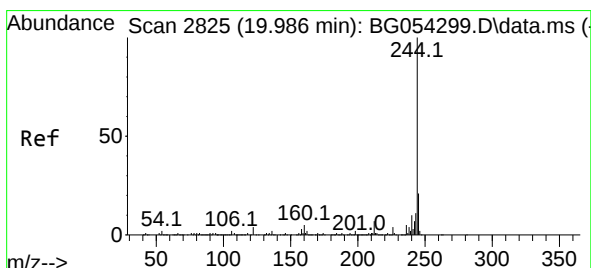
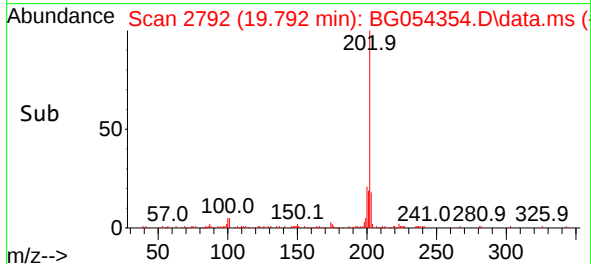
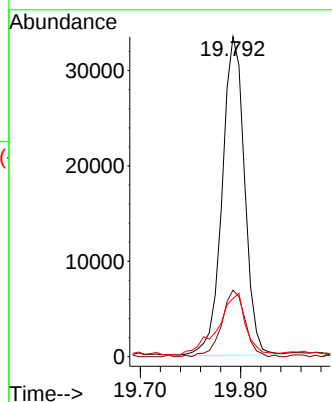
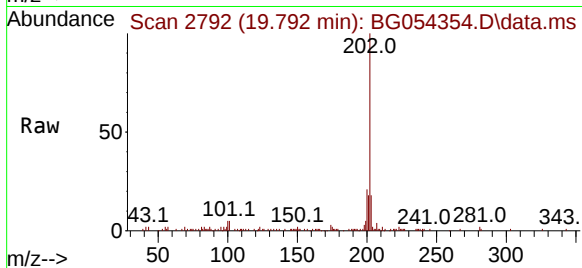
Tgt Ion:202 Resp: 51750

Ion Ratio Lower Upper

202 100

200 20.8 16.6 24.8

203 18.2 14.6 21.8



#79

Terphenyl-d14

Concen: 50.177 ng

RT: 19.986 min Scan# 2825

Delta R.T. 0.000 min

Lab File: BG054354.D

Acq: 21 Jul 2022 21:20

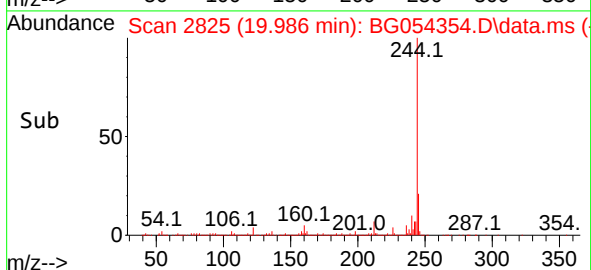
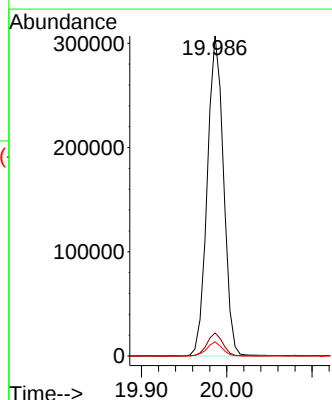
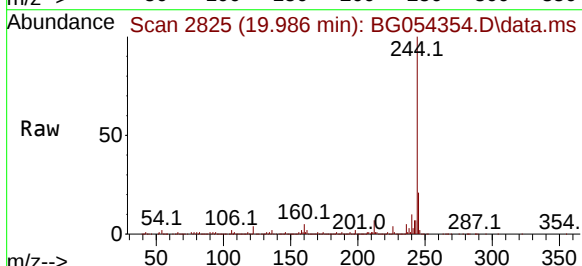
Tgt Ion:244 Resp: 407259

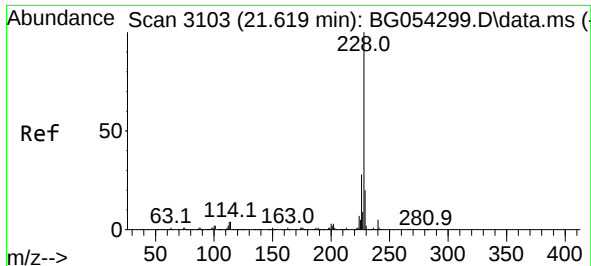
Ion Ratio Lower Upper

244 100

212 7.2 6.5 9.7

122 4.4 5.0 7.4#

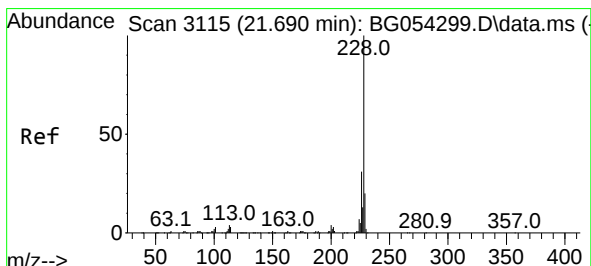
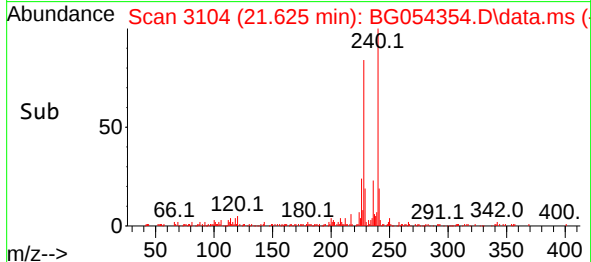
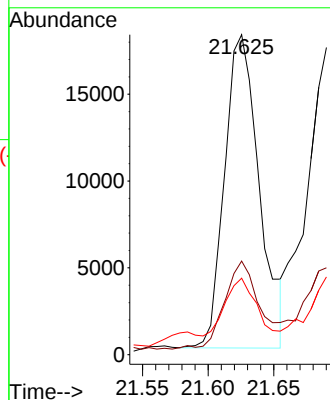
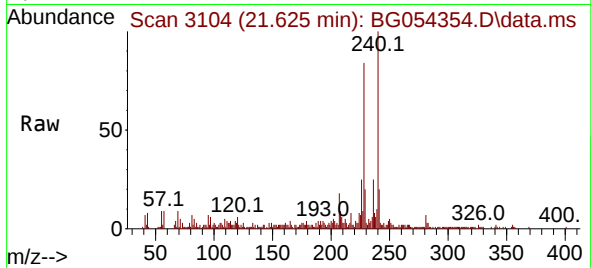




#81
Benzo(a)anthracene
Concen: 3.244 ng
RT: 21.625 min Scan# 3104
Delta R.T. 0.006 min
Lab File: BG054354.D
Acq: 21 Jul 2022 21:20

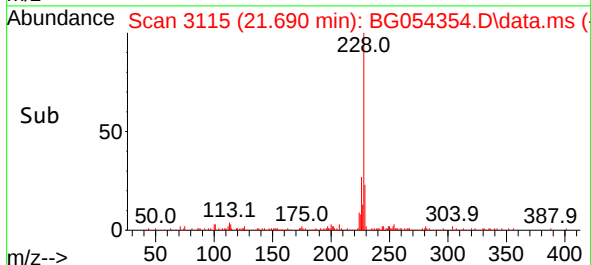
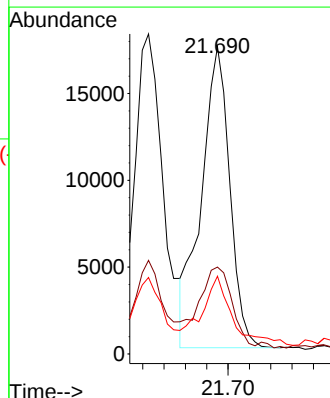
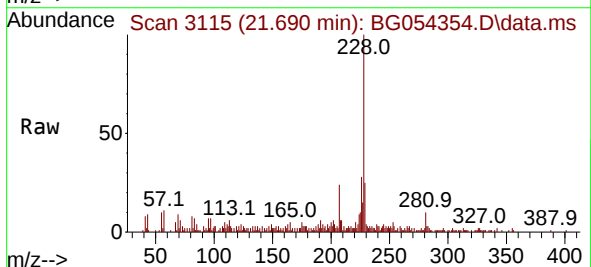
Instrument :
BNA_G
ClientSampleId :
MH-190E

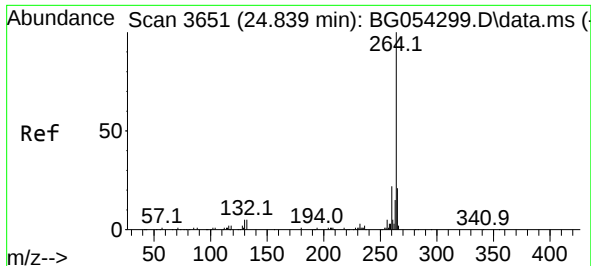
Tgt Ion:228 Resp: 33154
Ion Ratio Lower Upper
228 100
226 29.2 21.6 32.4
229 23.9 16.2 24.2



#83
Chrysene
Concen: 3.350 ng
RT: 21.690 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BG054354.D
Acq: 21 Jul 2022 21:20

Tgt Ion:228 Resp: 32347
Ion Ratio Lower Upper
228 100
226 28.3 23.4 35.2
229 25.3 15.5 23.3#

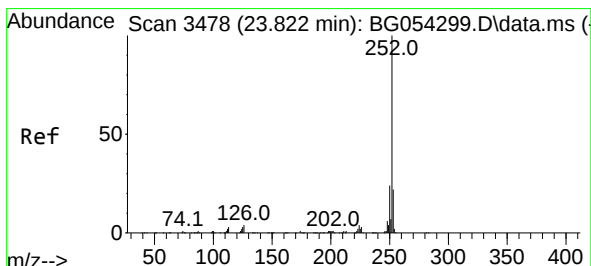
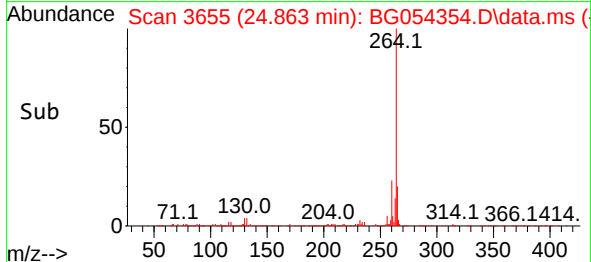
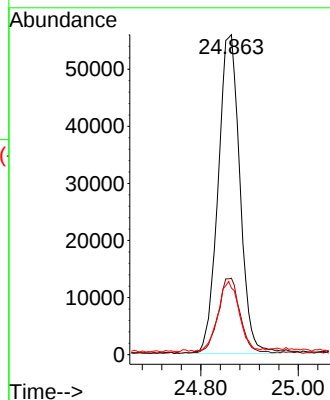
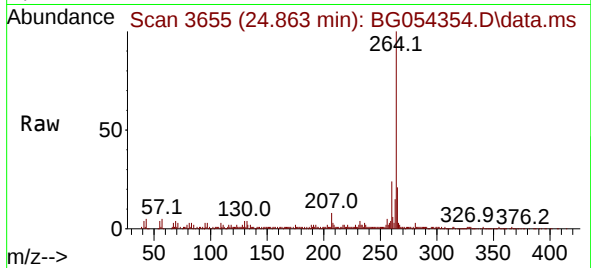




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.863 min Scan# 3
 Delta R.T. 0.024 min
 Lab File: BG054354.D
 Acq: 21 Jul 2022 21:20

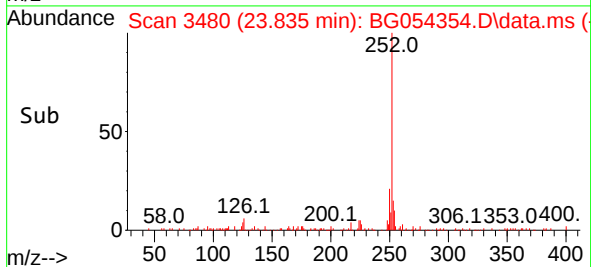
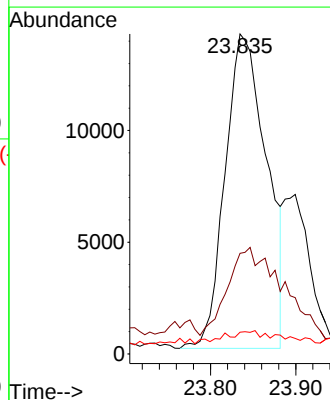
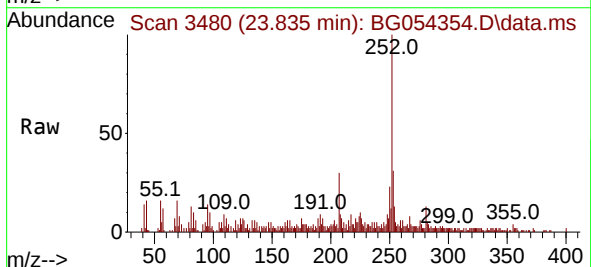
Instrument :
 BNA_G
 ClientSampleId :
 MH-190E

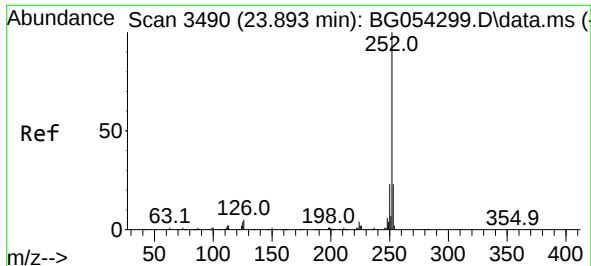
Tgt Ion:264 Resp: 173380
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.6
 265 20.9 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 4.637 ng
 RT: 23.835 min Scan# 3480
 Delta R.T. 0.012 min
 Lab File: BG054354.D
 Acq: 21 Jul 2022 21:20

Tgt Ion:252 Resp: 47544
 Ion Ratio Lower Upper
 252 100
 253 31.5 18.0 27.0#
 125 6.8 4.6 6.8

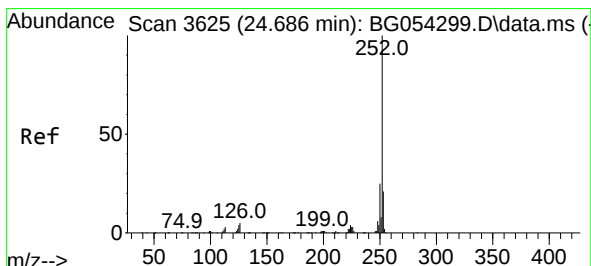
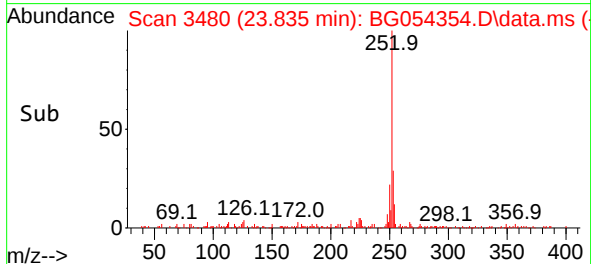
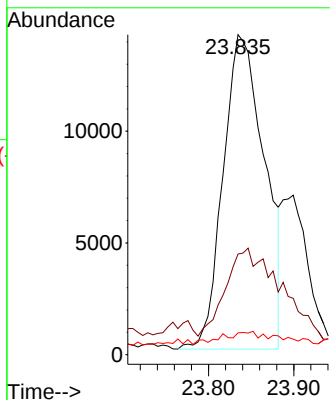
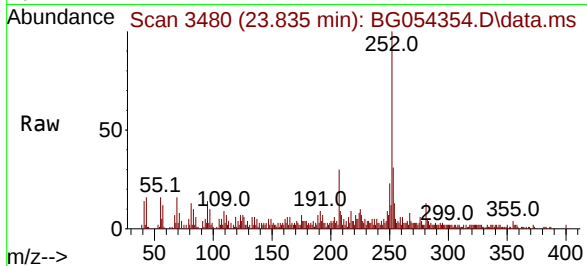




#89
Benzo(k)fluoranthene
Concen: 4.659 ng
RT: 23.835 min Scan# 34
Delta R.T. -0.058 min
Lab File: BG054354.D
Acq: 21 Jul 2022 21:20

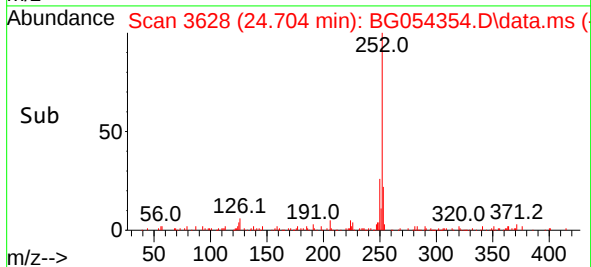
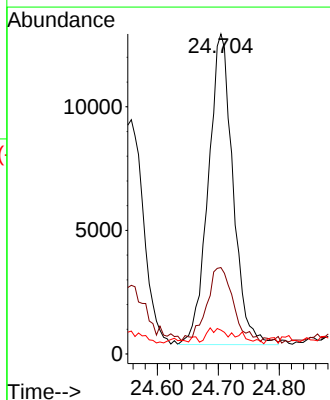
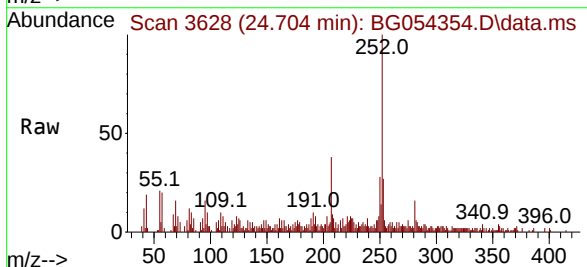
Instrument :
BNA_G
ClientSampleId :
MH-190E

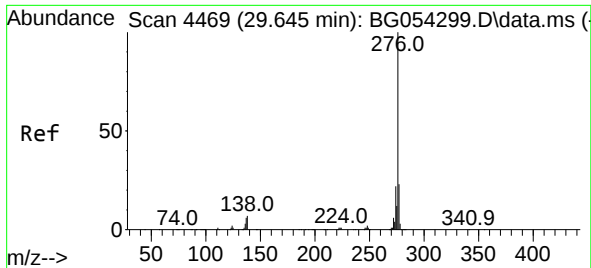
Tgt Ion:252 Resp: 47544
Ion Ratio Lower Upper
252 100
253 31.5 18.4 27.6#
125 6.8 4.8 7.2



#90
Benzo(a)pyrene
Concen: 4.027 ng
RT: 24.704 min Scan# 3628
Delta R.T. 0.018 min
Lab File: BG054354.D
Acq: 21 Jul 2022 21:20

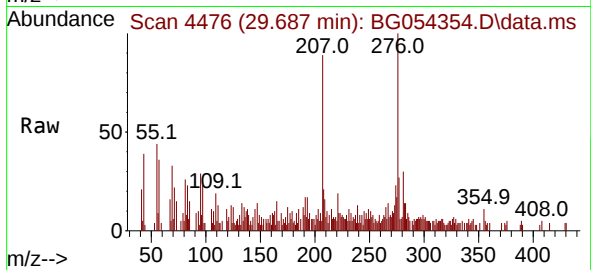
Tgt Ion:252 Resp: 35264
Ion Ratio Lower Upper
252 100
253 27.0 17.8 26.8#
125 7.5 4.3 6.5#





#92
 Benzo(g,h,i)perylene
 Concen: 2.088 ng
 RT: 29.687 min Scan# 44
 Delta R.T. 0.042 min
 Lab File: BG054354.D
 Acq: 21 Jul 2022 21:20

Instrument :
 BNA_G
 ClientSampleId :
 MH-190E



Tgt Ion:	276	Resp:	22347
Ion	Ratio	Lower	Upper
276	100		
277	26.6	17.3	25.9#
138	11.1	9.6	14.4

