

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
 Data File : BG054181.D
 Acq On : 30 Jun 2022 22:44
 Operator : CG/JU
 Sample : N3550-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-02-06292022

Quant Time: Jul 01 04:05:54 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)

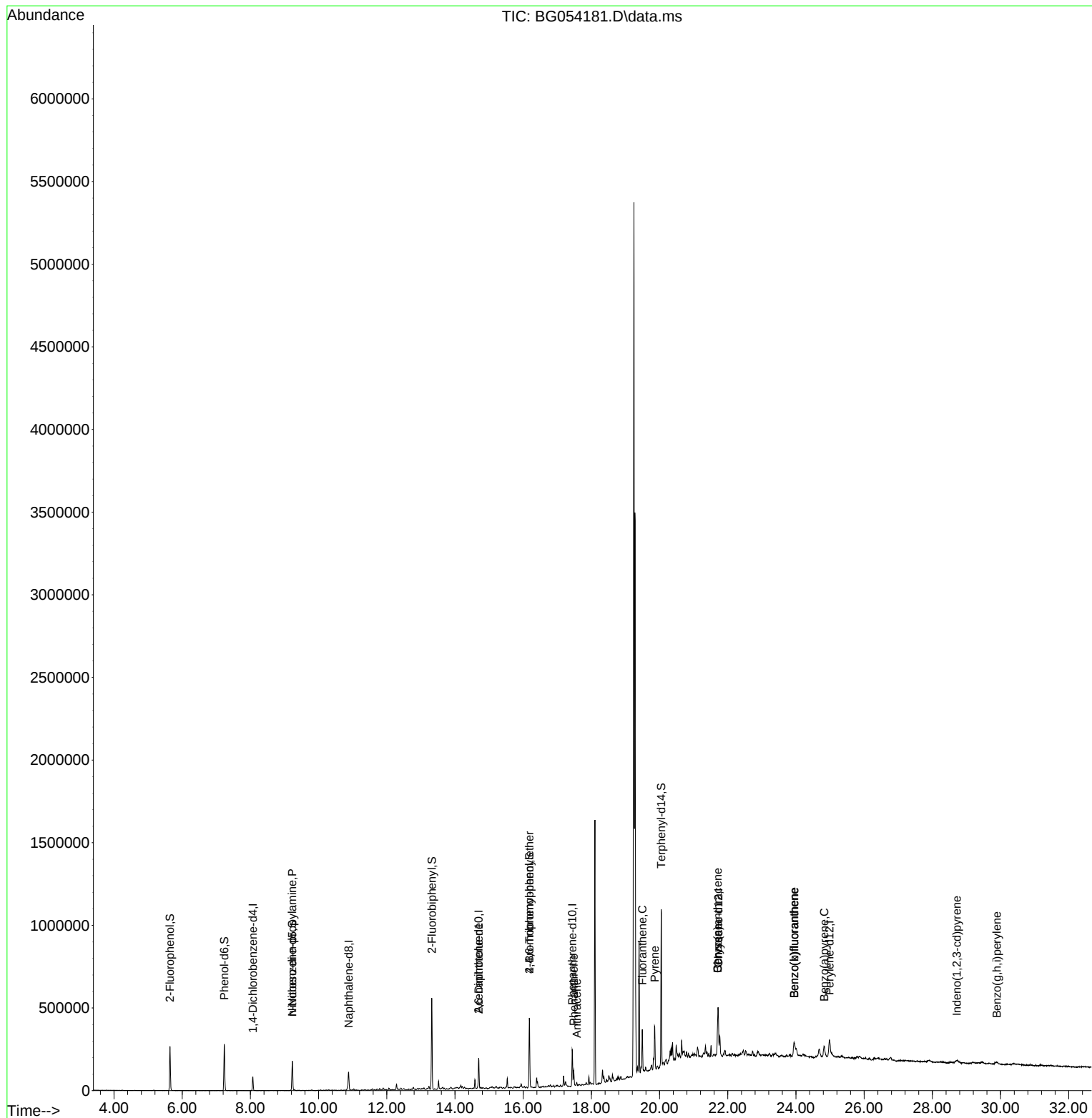
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.072	152	26370	20.000	ng	0.00
21) Naphthalene-d8	10.880	136	101276	20.000	ng	# 0.00
39) Acenaphthene-d10	14.693	164	69494	20.000	ng	0.00
64) Phenanthrene-d10	17.437	188	153819	20.000	ng	# 0.00
76) Chrysene-d12	21.720	240	168826	20.000	ng	0.00
86) Perylene-d12	24.981	264	159614	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.639	112	127821	92.674	ng	0.00
7) Phenol-d6	7.232	99	169297	90.482	ng	0.00
23) Nitrobenzene-d5	9.229	82	113344	62.892	ng	0.00
42) 2,4,6-Tribromophenol	16.180	330	107324	96.122	ng	0.00
45) 2-Fluorobiphenyl	13.319	172	310867	65.048	ng	0.00
79) Terphenyl-d14	20.052	244	543029	64.783	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.229	70	16149	12.847	ng	# 80
51) 2,6-Dinitrotoluene	14.693	165	10258	9.593	ng	# 18
67) 4-Bromophenyl-phenylether	16.180	248	6358	3.310	ng	# 1
71) Phenanthrene	17.484	178	68042	8.610	ng	97
72) Anthracene	17.572	178	16211	2.101	ng	99
75) Fluoranthene	19.494	202	171244	16.507	ng	97
78) Pyrene	19.858	202	187173	18.356	ng	98
81) Benzo(a)anthracene	21.703	228	112208	10.265	ng	96
83) Chrysene	21.703	228	112208	10.769	ng	97
87) Indeno(1,2,3-cd)pyrene	28.718	276	46956	3.898	ng	# 72
88) Benzo(b)fluoranthene	23.947	252	136638	14.079	ng	# 94
89) Benzo(k)fluoranthene	23.947	252	136638	14.220	ng	# 95
90) Benzo(a)pyrene	24.829	252	100814	12.312	ng	# 92
92) Benzo(g,h,i)perylene	29.893	276	38782	3.945	ng	# 90

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

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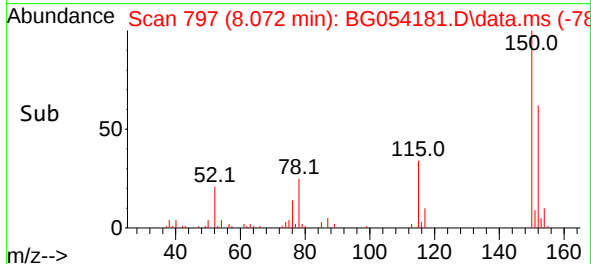
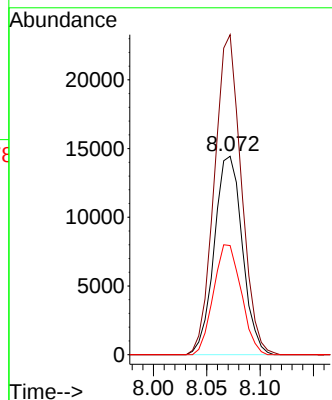
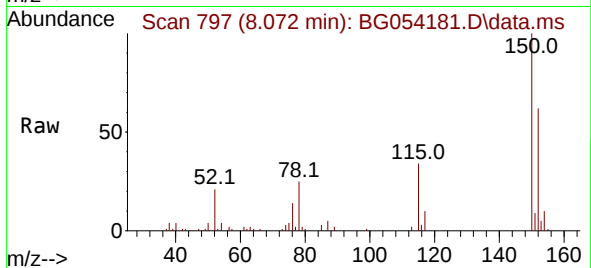




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.072 min Scan# 79
Delta R.T. 0.002 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

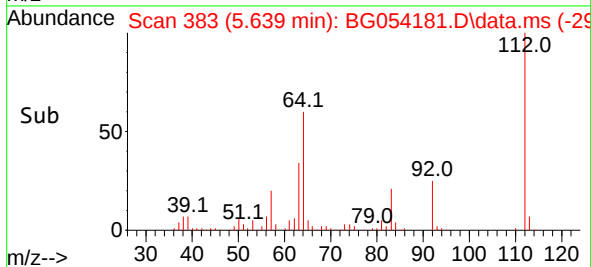
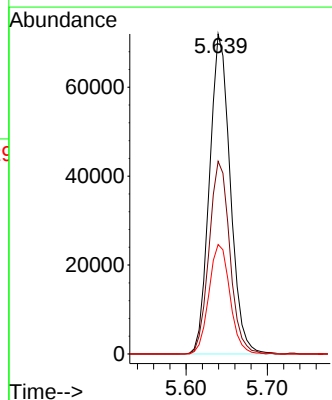
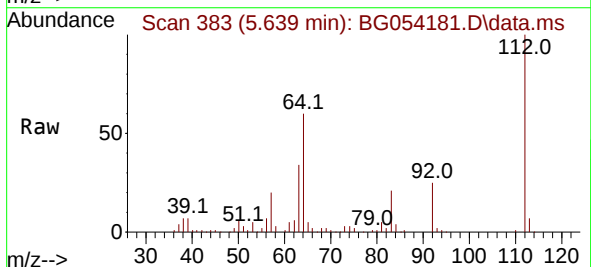
Instrument :
BNA_G
ClientSampleId :
HR-02-06292022

Tgt Ion:152 Resp: 26370
Ion Ratio Lower Upper
152 100
150 161.3 131.6 197.4
115 55.0 50.9 76.3



#5
2-Fluorophenol
Concen: 92.674 ng
RT: 5.639 min Scan# 383
Delta R.T. 0.001 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

Tgt Ion:112 Resp: 127821
Ion Ratio Lower Upper
112 100
64 60.2 55.1 82.7
63 34.2 30.4 45.6

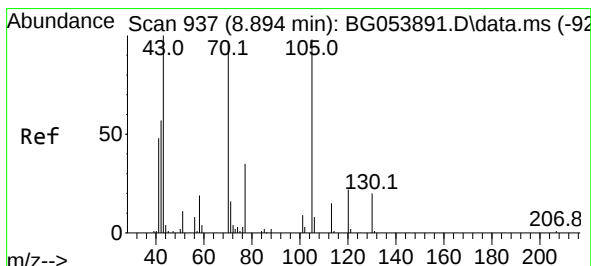
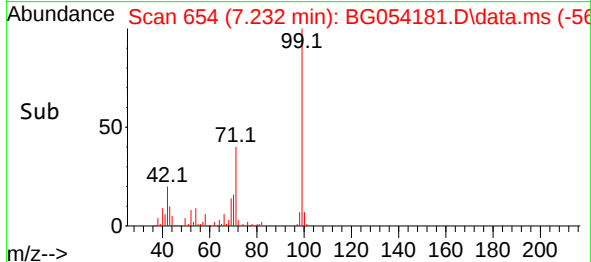
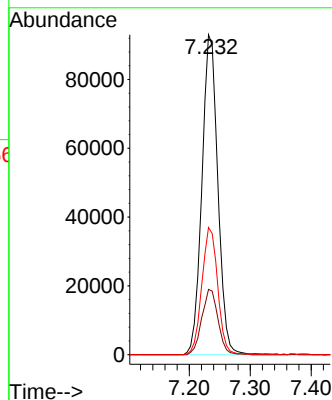
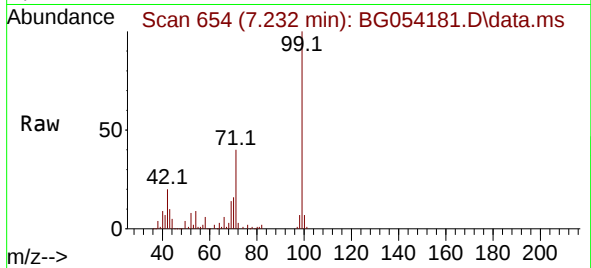




#7
Phenol-d6
Concen: 90.482 ng
RT: 7.232 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

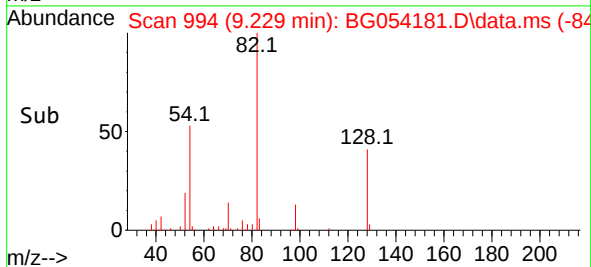
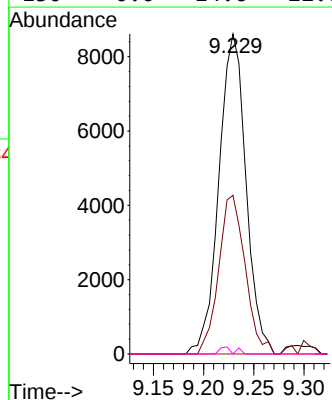
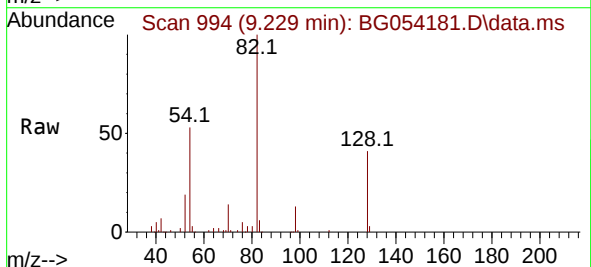
Instrument :
BNA_G
ClientSampleId :
HR-02-06292022

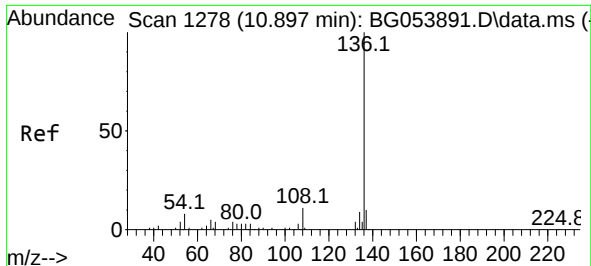
Tgt Ion: 99 Resp: 169297
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 39.7 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.847 ng
RT: 9.229 min Scan# 994
Delta R.T. 0.354 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

Tgt Ion: 70 Resp: 16149
Ion Ratio Lower Upper
70 100
42 49.6 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

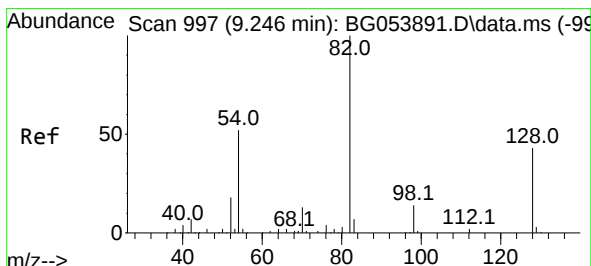
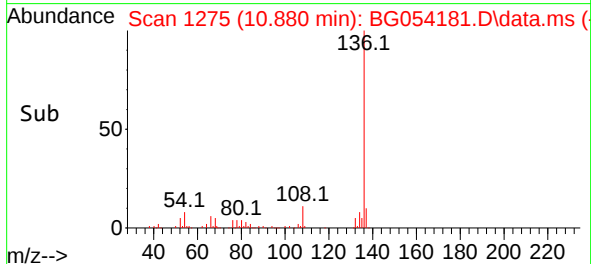
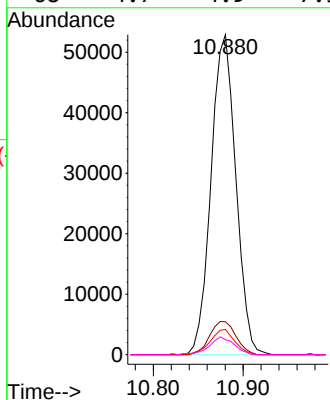
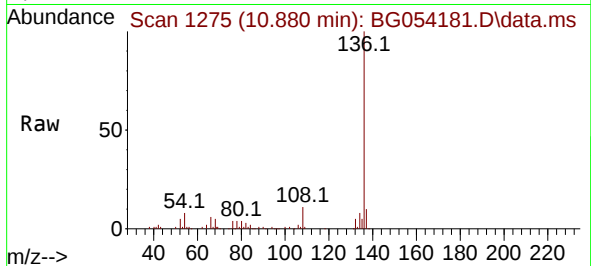




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.880 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

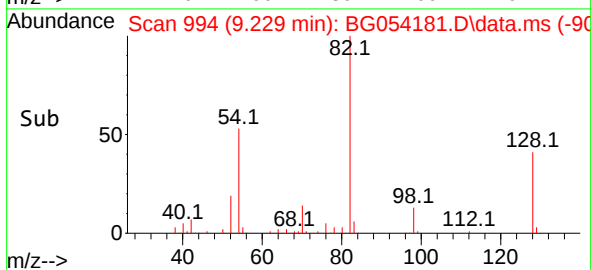
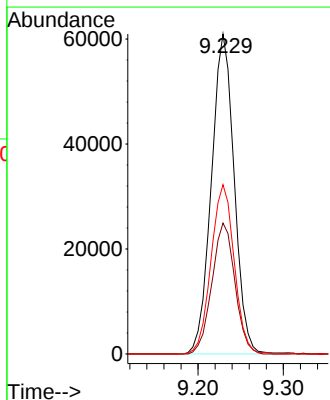
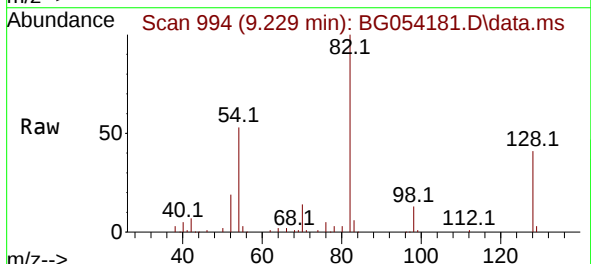
Instrument :
BNA_G
ClientSampleId :
HR-02-06292022

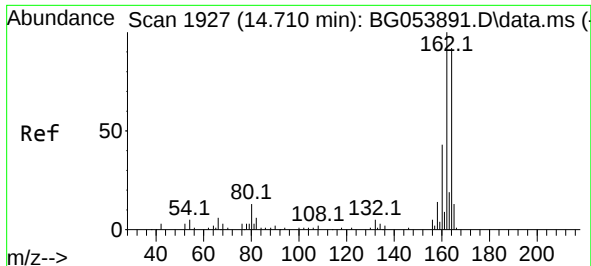
Tgt Ion:	136	Resp:	101276
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.5	12.7
54	7.9	7.4	11.2
68	4.7	4.9	7.3



#23
Nitrobenzene-d5
Concen: 62.892 ng
RT: 9.229 min Scan# 994
Delta R.T. -0.004 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

Tgt Ion:	82	Resp:	113344
Ion Ratio	Lower	Upper	
82	100		
128	40.9	27.9	41.9
54	52.9	41.2	61.8

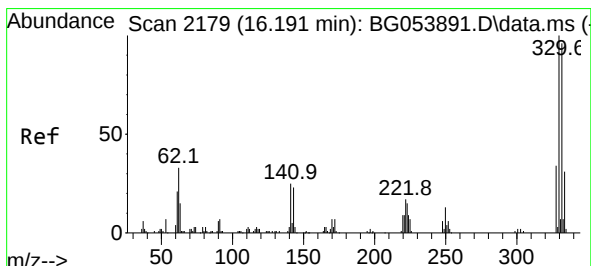
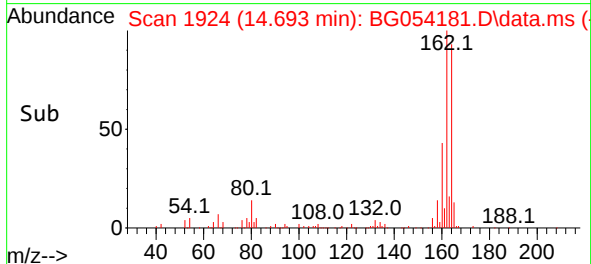
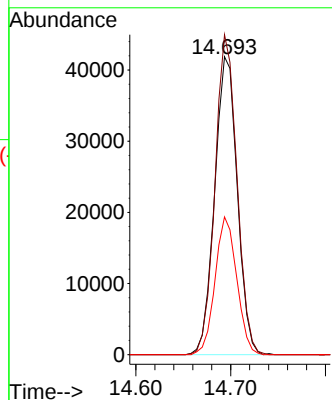
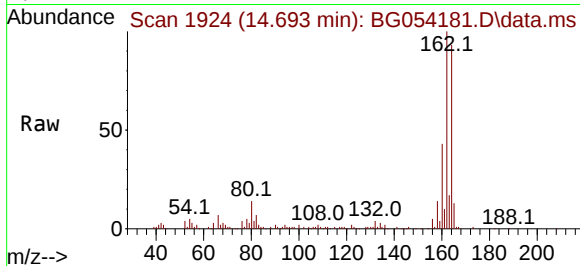




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.693 min Scan# 1924
Delta R.T. -0.004 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

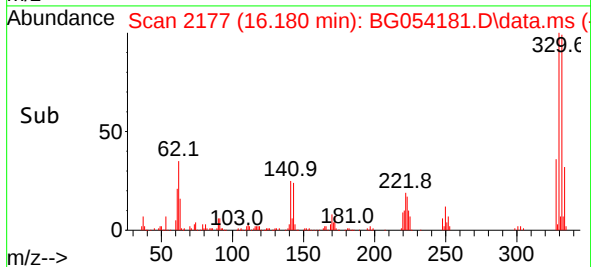
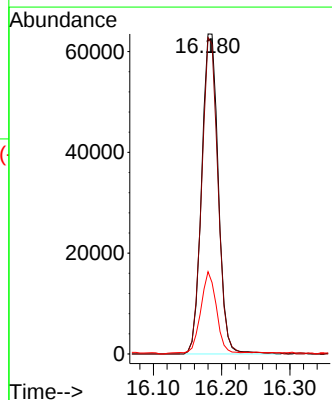
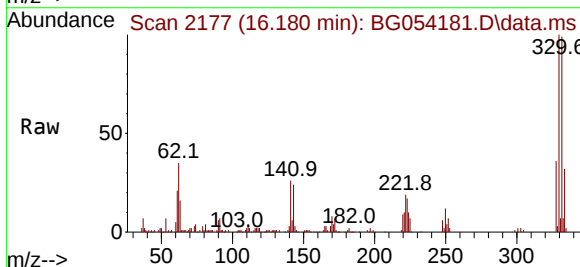
Instrument :
BNA_G
ClientSampleId :
HR-02-06292022

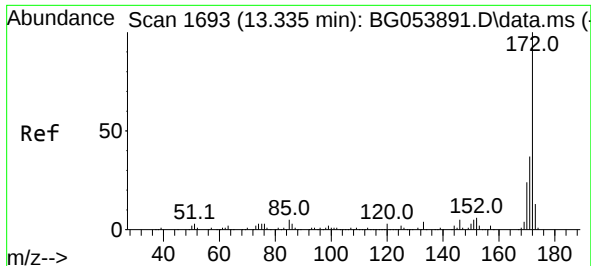
Tgt Ion:164 Resp: 69494
Ion Ratio Lower Upper
164 100
162 107.4 82.3 123.5
160 46.3 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 96.122 ng
RT: 16.180 min Scan# 2177
Delta R.T. -0.004 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

Tgt Ion:330 Resp: 107324
Ion Ratio Lower Upper
330 100
332 96.8 76.0 114.0
141 24.8 27.1 40.7#

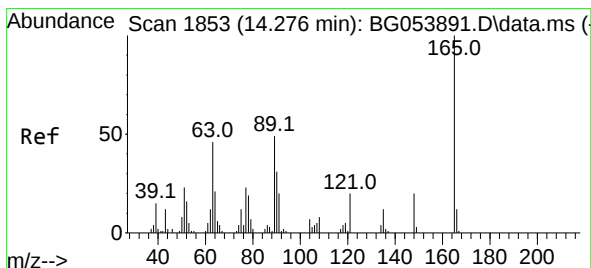
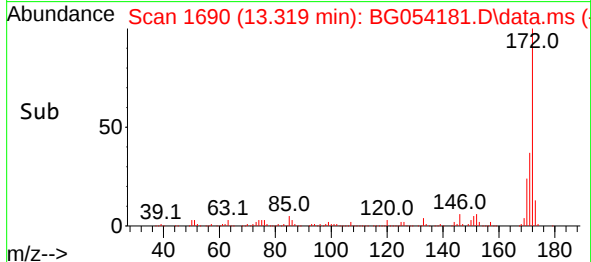
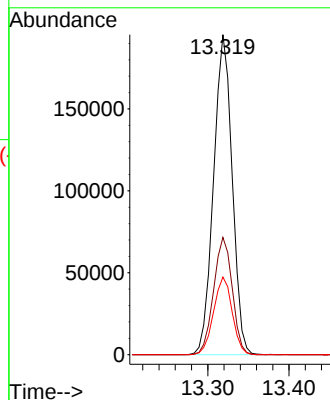
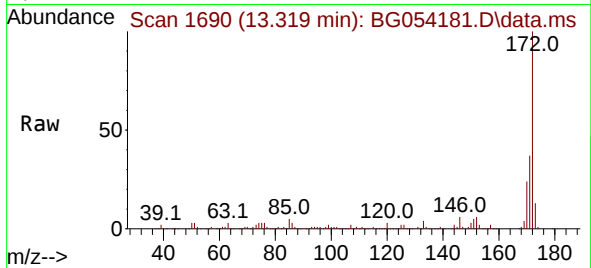




#45
2-Fluorobiphenyl
Concen: 65.048 ng
RT: 13.319 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

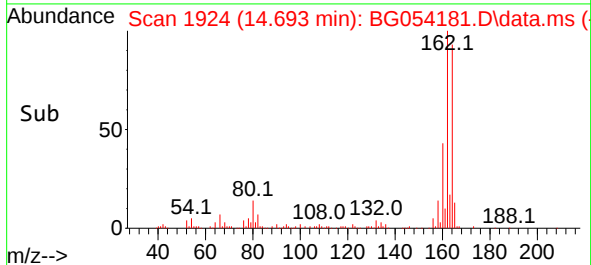
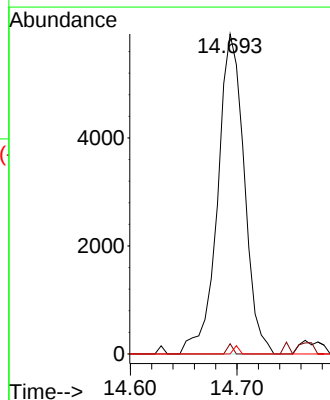
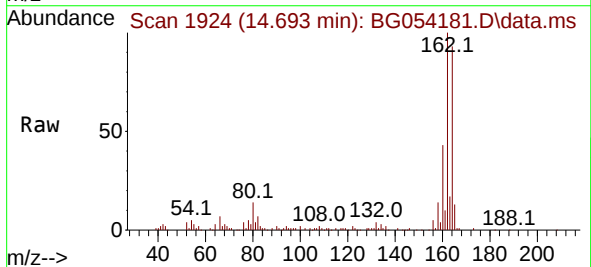
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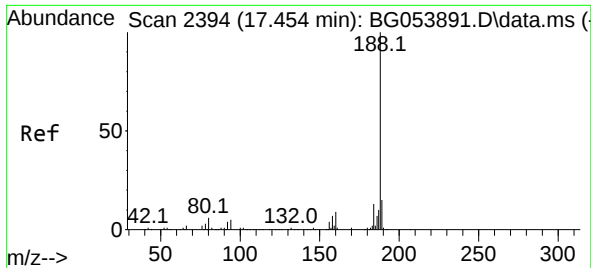
Tgt Ion:172 Resp: 310867
Ion Ratio Lower Upper
172 100
171 36.7 28.5 42.7
170 24.2 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 9.593 ng
RT: 14.693 min Scan# 1924
Delta R.T. 0.430 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

Tgt Ion:165 Resp: 10258
Ion Ratio Lower Upper
165 100
63 3.2 54.1 81.1#
89 0.0 54.8 82.2#

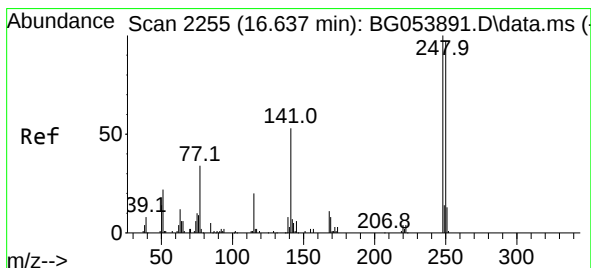
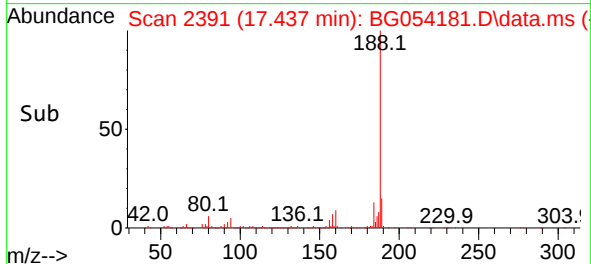
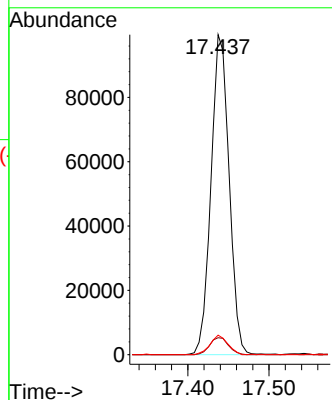
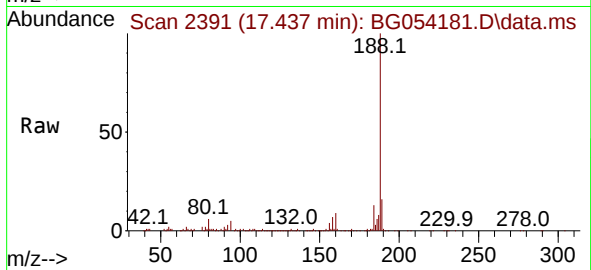




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.437 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

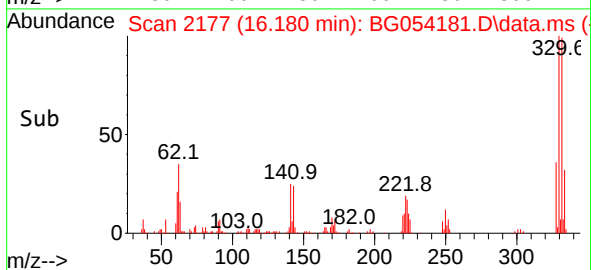
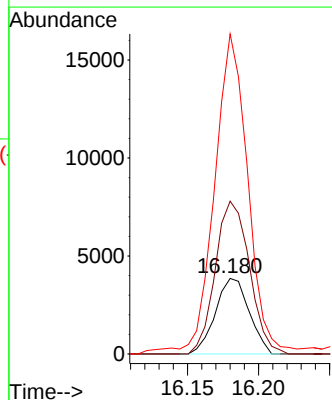
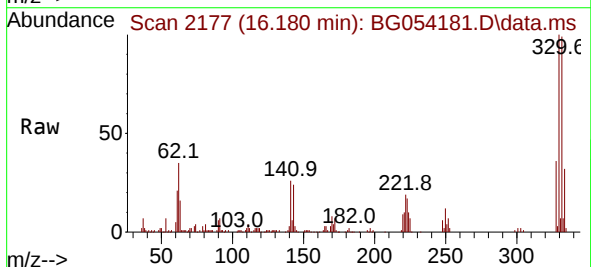
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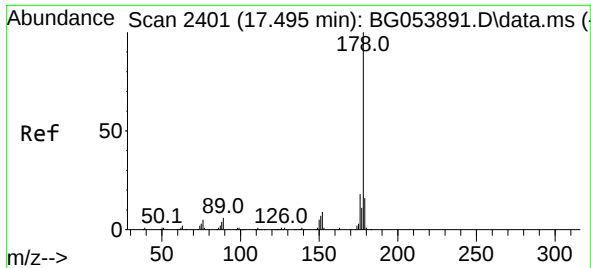
Tgt Ion:188 Resp: 153819
Ion Ratio Lower Upper
188 100
94 5.3 5.4 8.0#
80 6.1 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.310 ng
RT: 16.180 min Scan# 2177
Delta R.T. -0.445 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

Tgt Ion:248 Resp: 6358
Ion Ratio Lower Upper
248 100
250 261.4 75.2 112.8#
141 423.6 50.0 75.0#

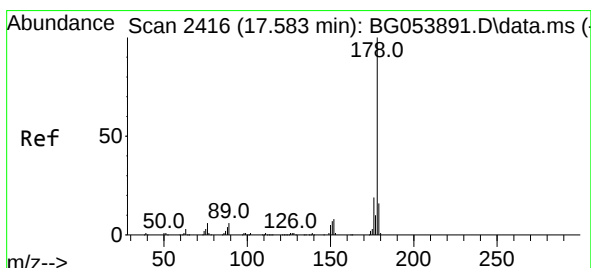
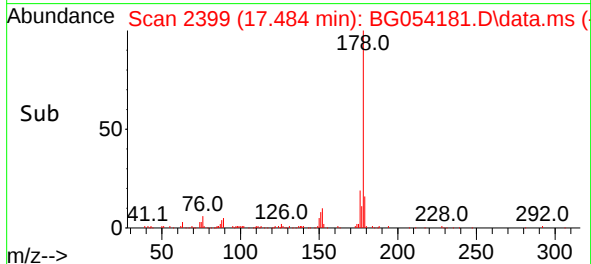
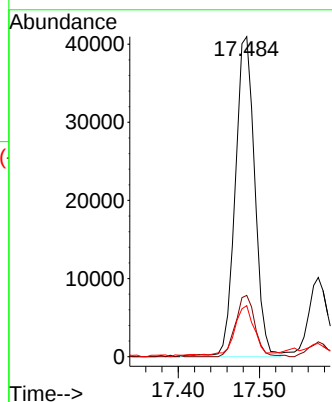
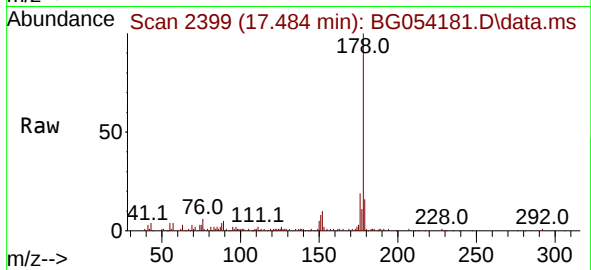




#71
 Phenanthrene
 Concen: 8.610 ng
 RT: 17.484 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG054181.D
 Acq: 30 Jun 2022 22:44

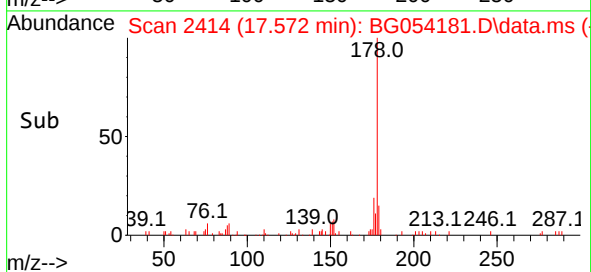
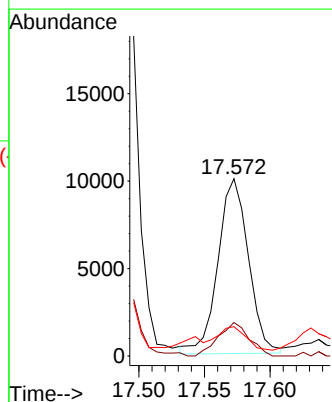
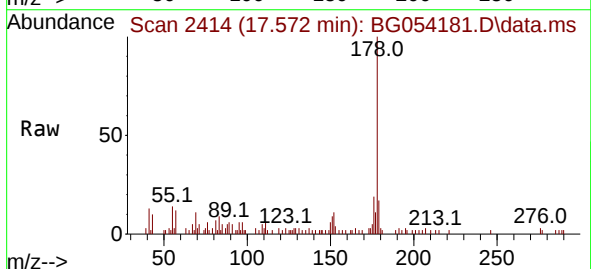
Instrument :
 BNA_G
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 HR-02-06292022

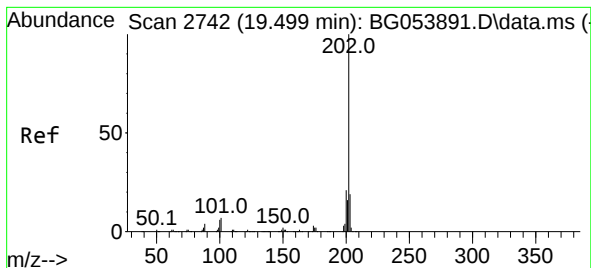
Tgt Ion:178 Resp: 68042
 Ion Ratio Lower Upper
 178 100
 176 19.2 14.1 21.1
 179 16.0 12.1 18.1



#72
 Anthracene
 Concen: 2.101 ng
 RT: 17.572 min Scan# 2414
 Delta R.T. -0.004 min
 Lab File: BG054181.D
 Acq: 30 Jun 2022 22:44

Tgt Ion:178 Resp: 16211
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.2 22.8
 179 16.6 13.0 19.4





#75

Fluoranthene

Concen: 16.507 ng

RT: 19.494 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG054181.D

Acq: 30 Jun 2022 22:44

Instrument :

BNA_G

ClientSampleId :

HR-02-06292022

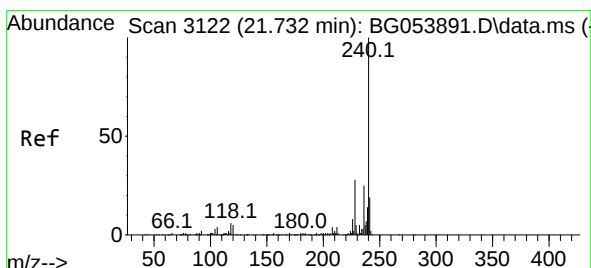
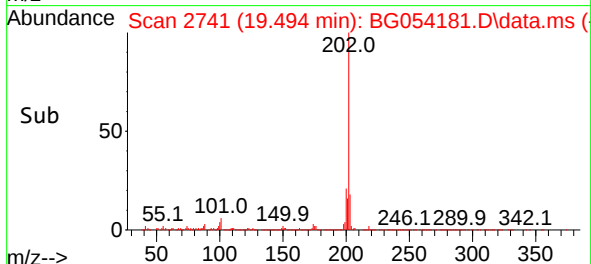
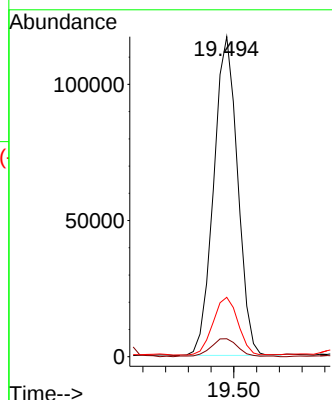
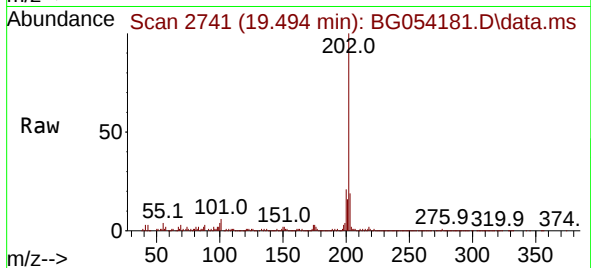
Tgt Ion:202 Resp: 171244

Ion Ratio Lower Upper

202 100

101 5.6 0.0 26.9

203 18.5 0.0 37.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.720 min Scan# 3120

Delta R.T. 0.001 min

Lab File: BG054181.D

Acq: 30 Jun 2022 22:44

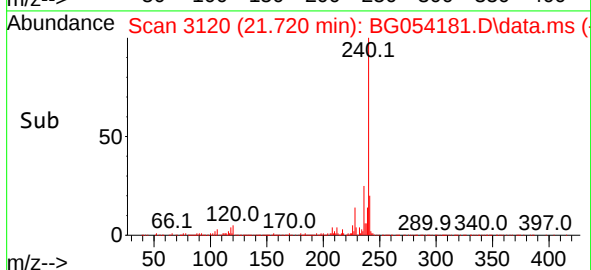
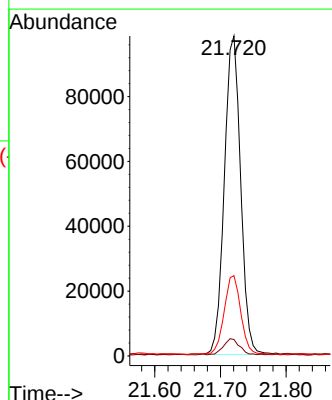
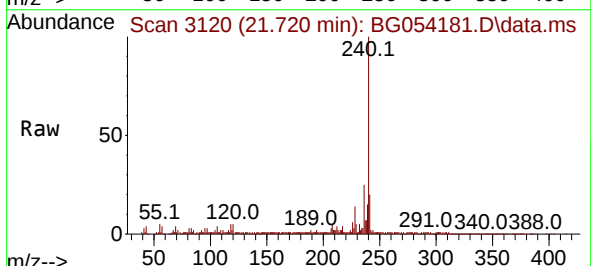
Tgt Ion:240 Resp: 168826

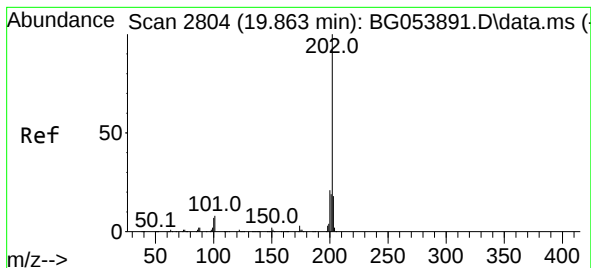
Ion Ratio Lower Upper

240 100

120 5.1 4.6 7.0

236 25.1 20.2 30.4





#78

Pyrene

Concen: 18.356 ng

RT: 19.858 min Scan# 21

Delta R.T. 0.007 min

Lab File: BG054181.D

Acq: 30 Jun 2022 22:44

Instrument :

BNA_G

ClientSampleId :

HR-02-06292022

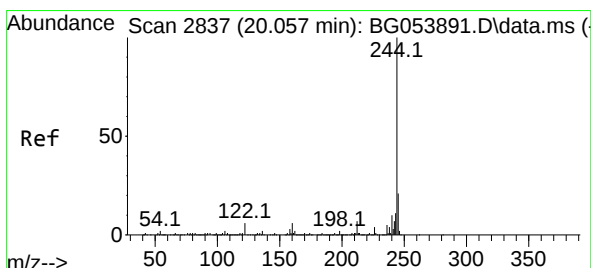
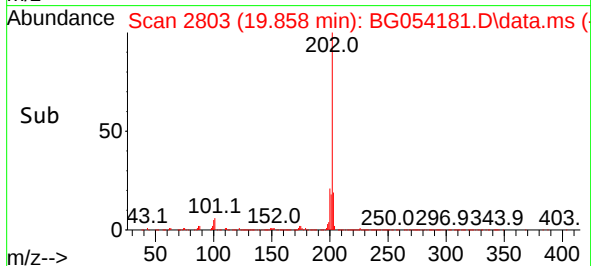
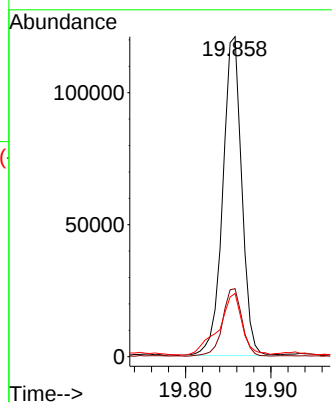
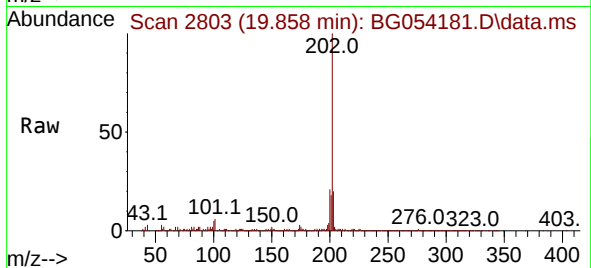
Tgt Ion:202 Resp: 187173

Ion Ratio Lower Upper

202 100

200 21.2 16.6 24.8

203 19.8 14.6 21.8



#79

Terphenyl-d14

Concen: 64.783 ng

RT: 20.052 min Scan# 2836

Delta R.T. 0.007 min

Lab File: BG054181.D

Acq: 30 Jun 2022 22:44

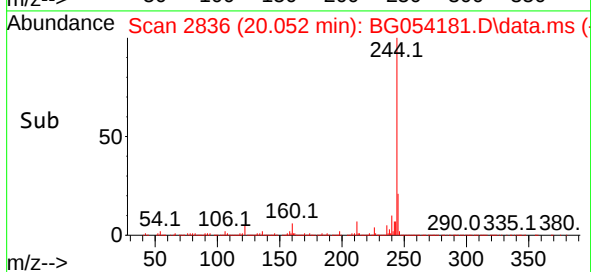
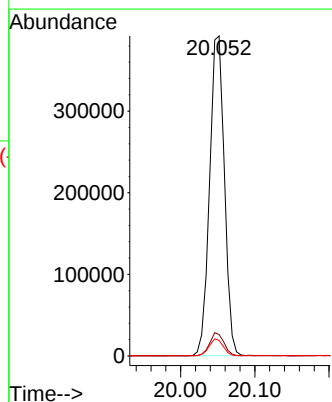
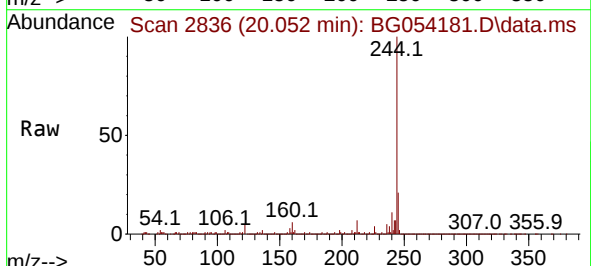
Tgt Ion:244 Resp: 543029

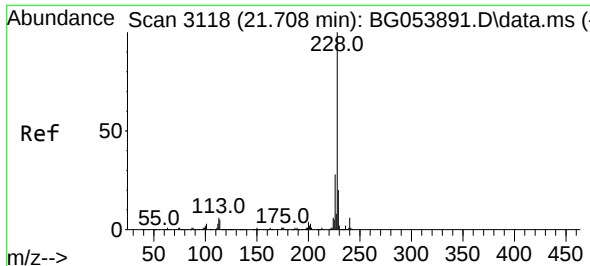
Ion Ratio Lower Upper

244 100

212 6.7 6.5 9.7

122 4.8 5.0 7.4#

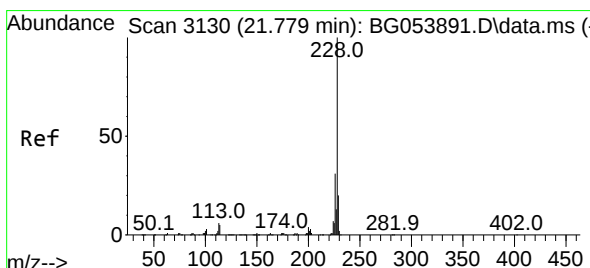
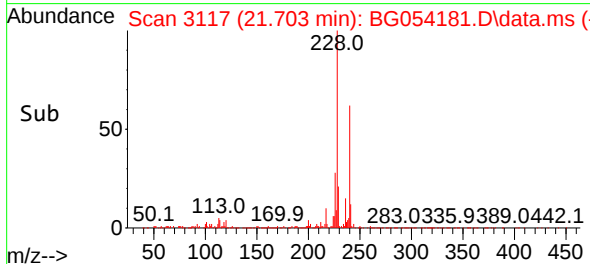
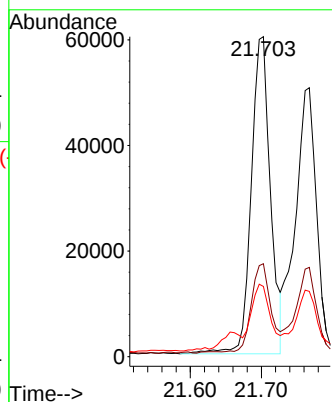
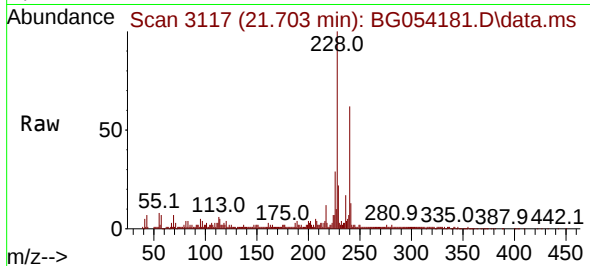




#81
Benzo(a)anthracene
Concen: 10.265 ng
RT: 21.703 min Scan# 3117
Delta R.T. 0.007 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

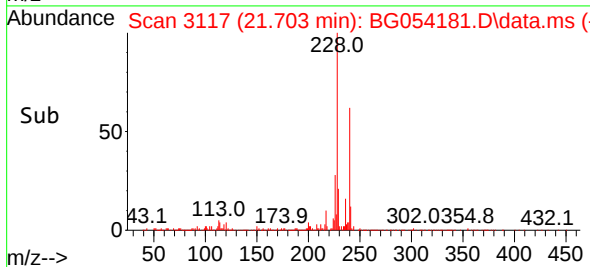
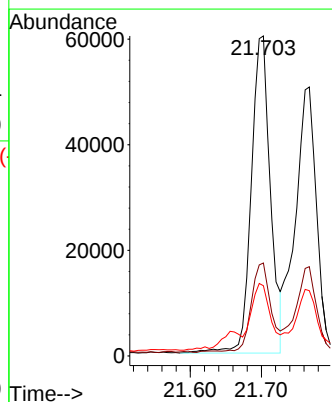
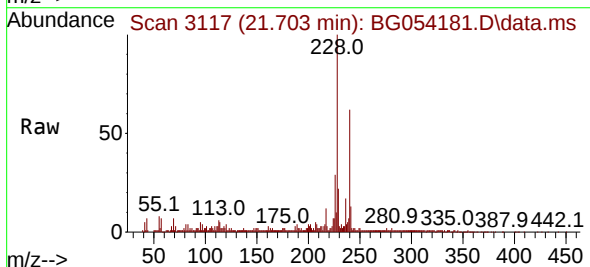
Instrument :
BNA_G
ClientSampleId :
HR-02-06292022

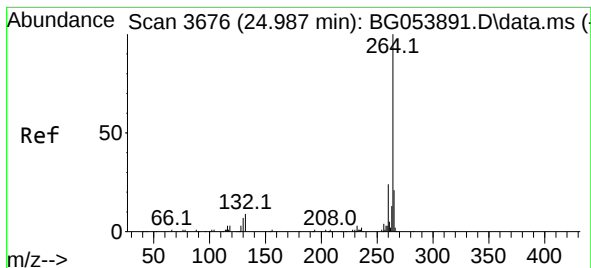
Tgt Ion:228 Resp: 112208
Ion Ratio Lower Upper
228 100
226 29.1 21.6 32.4
229 22.0 16.2 24.2



#83
Chrysene
Concen: 10.769 ng
RT: 21.703 min Scan# 3117
Delta R.T. -0.057 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

Tgt Ion:228 Resp: 112208
Ion Ratio Lower Upper
228 100
226 29.1 23.4 35.2
229 22.0 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.981 min Scan# 3

Delta R.T. 0.019 min

Lab File: BG054181.D

Acq: 30 Jun 2022 22:44

Instrument :

BNA_G

ClientSampleId :

HR-02-06292022

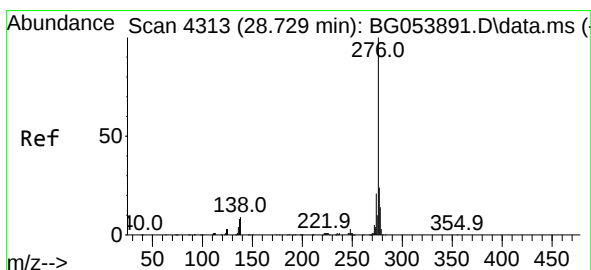
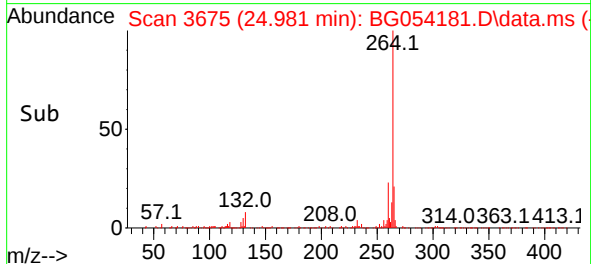
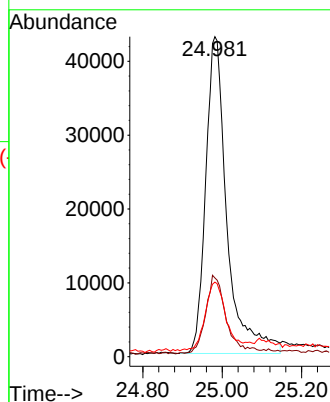
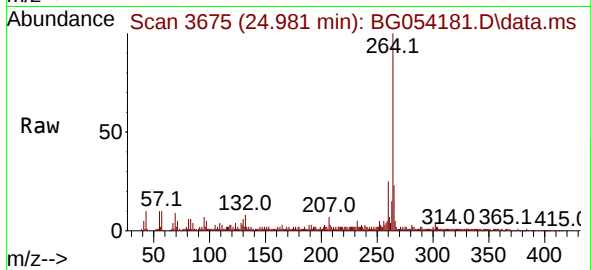
Tgt Ion:264 Resp: 159614

Ion Ratio Lower Upper

264 100

260 24.6 19.0 28.6

265 23.3 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.898 ng

RT: 28.718 min Scan# 4311

Delta R.T. 0.031 min

Lab File: BG054181.D

Acq: 30 Jun 2022 22:44

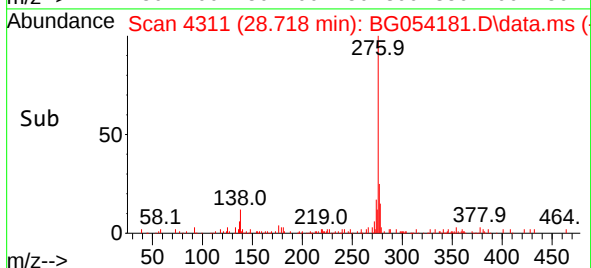
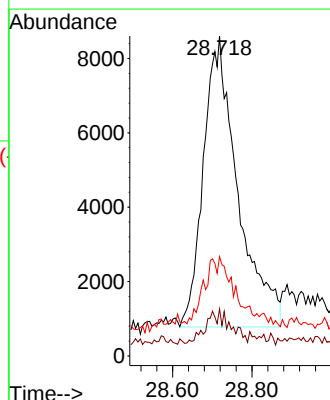
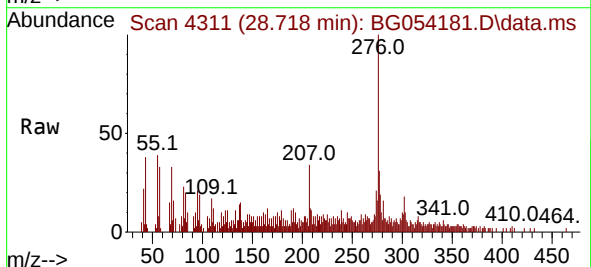
Tgt Ion:276 Resp: 46956

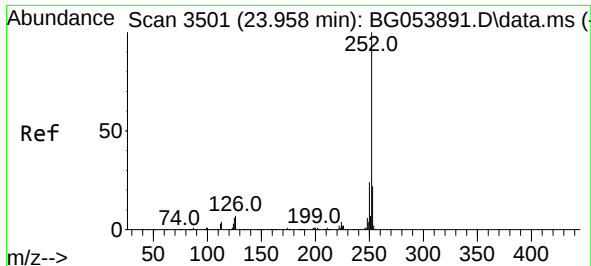
Ion Ratio Lower Upper

276 100

138 3.8 5.0 7.4#

277 9.0 20.3 30.5#

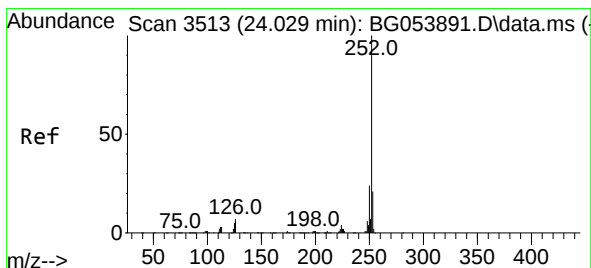
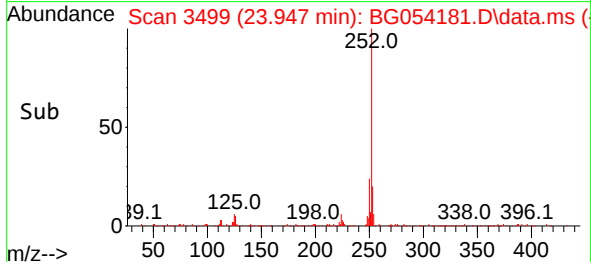
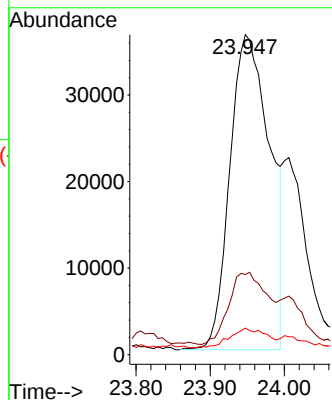
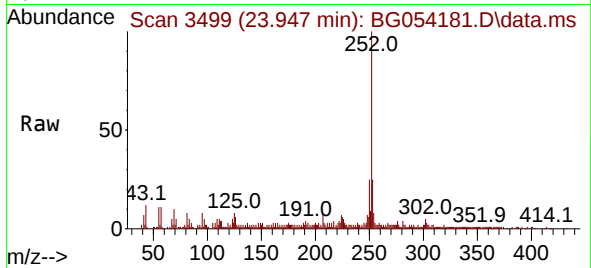




#88
Benzo(b)fluoranthene
Concen: 14.079 ng
RT: 23.947 min Scan# 3499
Delta R.T. 0.013 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

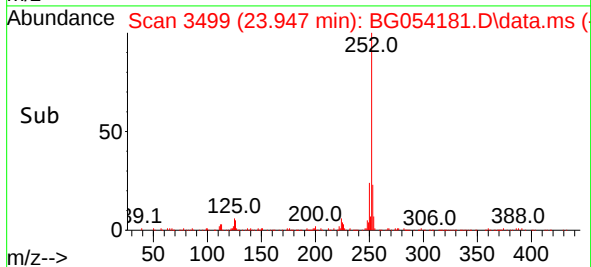
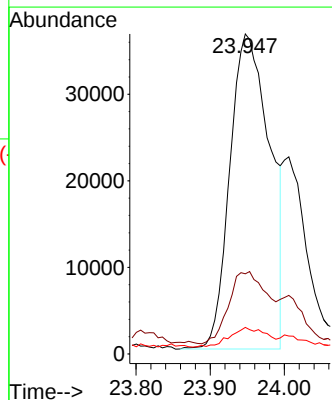
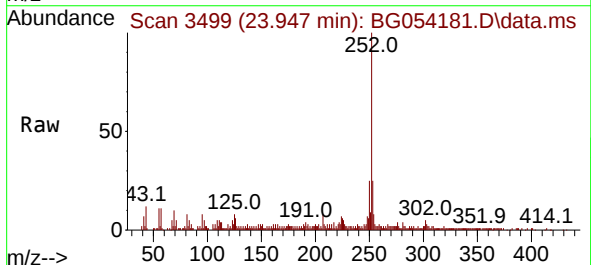
Instrument :
BNA_G
ClientSampleId :
HR-02-06292022

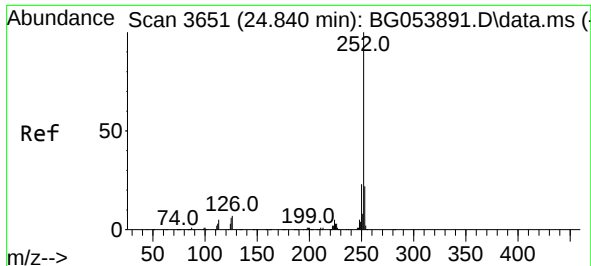
Tgt Ion:252 Resp: 136638
Ion Ratio Lower Upper
252 100
253 25.0 18.0 27.0
125 8.3 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 14.220 ng
RT: 23.947 min Scan# 3499
Delta R.T. -0.057 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

Tgt Ion:252 Resp: 136638
Ion Ratio Lower Upper
252 100
253 25.0 18.4 27.6
125 8.3 4.8 7.2#

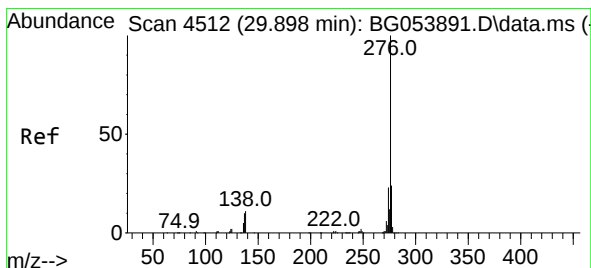
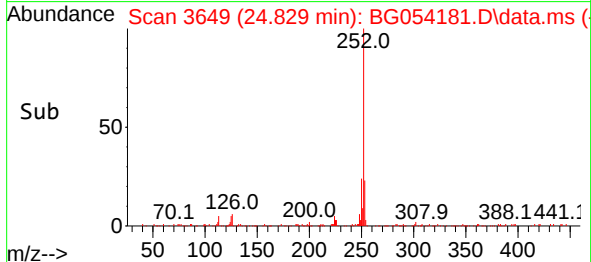
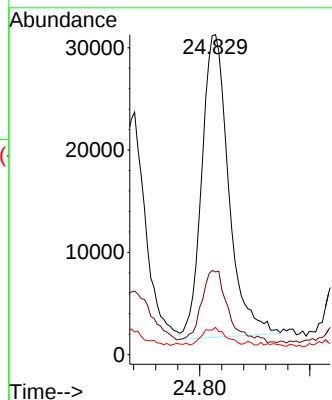
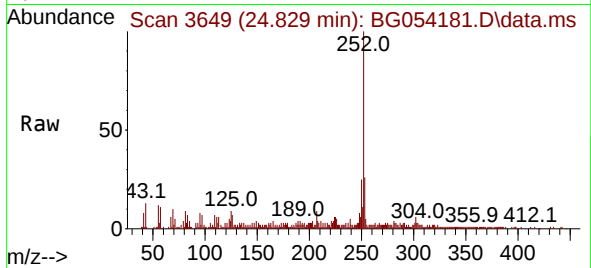




#90
Benzo(a)pyrene
Concen: 12.312 ng
RT: 24.829 min Scan# 30
Delta R.T. 0.013 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

Instrument :
BNA_G
ClientSampleId :
HR-02-06292022

Tgt Ion:252 Resp: 100814
Ion Ratio Lower Upper
252 100
253 25.9 17.8 26.8
125 8.5 4.3 6.5#



#92
Benzo(g,h,i)perylene
Concen: 3.945 ng
RT: 29.893 min Scan# 4511
Delta R.T. 0.031 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

Tgt Ion:276 Resp: 38782
Ion Ratio Lower Upper
276 100
277 28.0 17.3 25.9#
138 13.8 9.6 14.4

