

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
 Data File : BG054290.D
 Acq On : 14 Jul 2022 21:52
 Operator : CG/JU
 Sample : N3688-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-12016

Quant Time: Jul 15 01:59:18 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

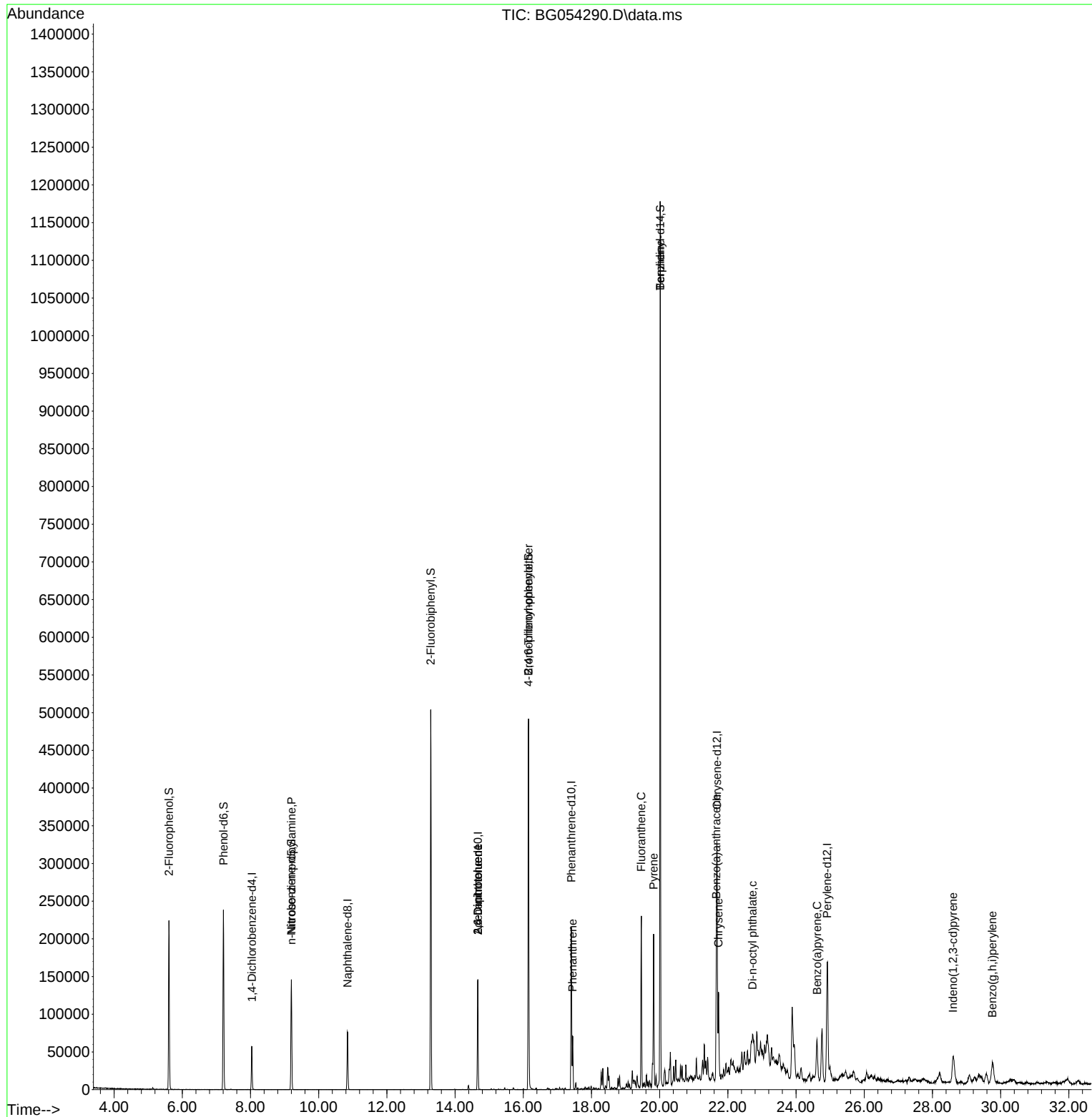
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.041	152	18926	20.000	ng	# 0.00
21) Naphthalene-d8	10.844	136	70601	20.000	ng	# 0.00
39) Acenaphthene-d10	14.669	164	57939	20.000	ng	0.00
64) Phenanthrene-d10	17.412	188	159729	20.000	ng	# 0.00
76) Chrysene-d12	21.684	240	189164	20.000	ng	# 0.00
86) Perylene-d12	24.915	264	201942	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.609	112	99506	105.631	ng	0.00
7) Phenol-d6	7.207	99	132816	102.223	ng	0.00
23) Nitrobenzene-d5	9.199	82	89759	68.992	ng	0.00
42) 2,4,6-Tribromophenol	16.155	330	136806	121.894	ng	0.00
45) 2-Fluorobiphenyl	13.288	172	290467	73.663	ng	0.00
79) Terphenyl-d14	20.015	244	690954	75.113	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.204	70	12805	14.436	ng	# 77
51) 2,6-Dinitrotoluene	14.669	165	8001	8.092	ng	# 16
57) 2,4-Dinitrotoluene	14.669	165	8001	5.588	ng	# 21
67) 4-Bromophenyl-phenylether	16.149	248	8246	3.871	ng	# 1
71) Phenanthrene	17.448	178	53271	6.667	ng	98
75) Fluoranthene	19.463	202	164923	15.178	ng	95
77) Benzidine	20.015	184	9415	2.835	ng	# 87
78) Pyrene	19.821	202	147850	13.581	ng	98
81) Benzo(a)anthracene	21.660	228	96137	8.034	ng	98
83) Chrysene	21.725	228	96194	8.500	ng	97
85) Di-n-octyl phthalate	22.724	149	26751	3.105	ng	# 96
87) Indeno(1,2,3-cd)pyrene	28.605	276	72043	4.742	ng	99
90) Benzo(a)pyrene	24.616	252	63555	6.203	ng	98
92) Benzo(g,h,i)perylene	29.757	276	66778	5.379	ng	# 90

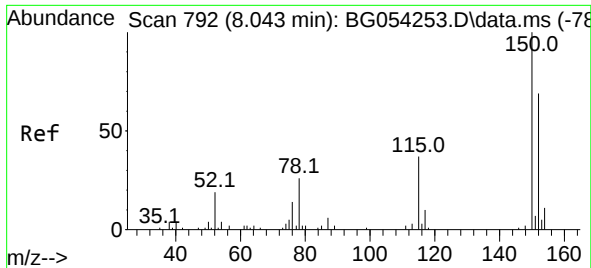
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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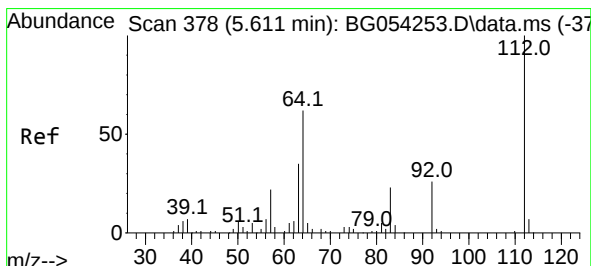
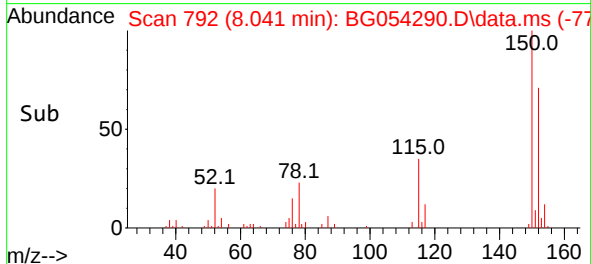
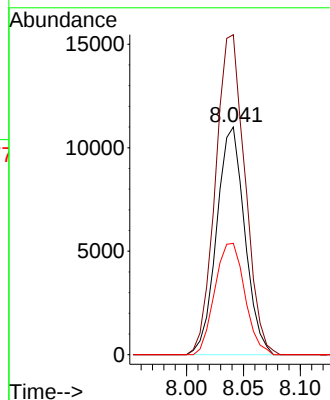
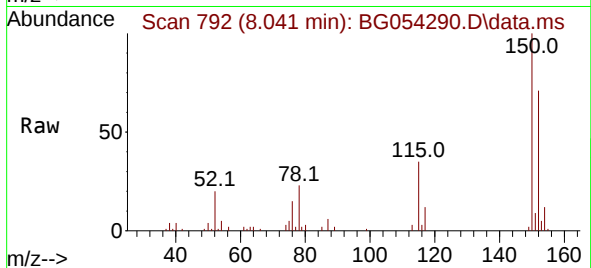




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.041 min Scan# 792
Delta R.T. -0.002 min
Lab File: BG054290.D
Acq: 14 Jul 2022 21:52

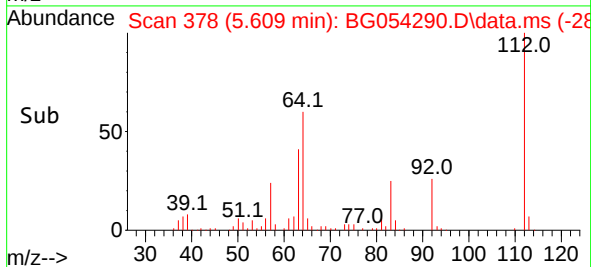
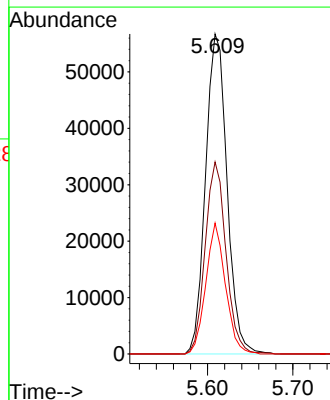
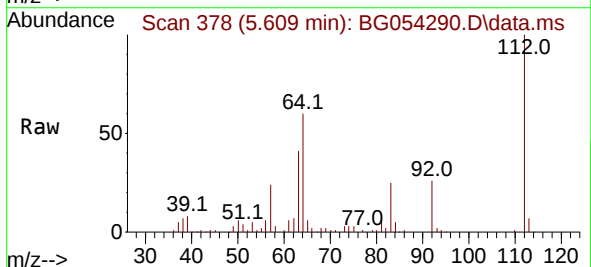
Instrument :
BNA_G
ClientSampleId :
72-12016

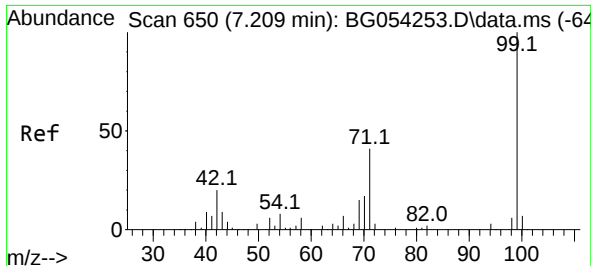
Tgt Ion:152 Resp: 18926
Ion Ratio Lower Upper
152 100
150 140.6 131.6 197.4
115 48.9 50.9 76.3#



#5
2-Fluorophenol
Concen: 105.631 ng
RT: 5.609 min Scan# 378
Delta R.T. -0.002 min
Lab File: BG054290.D
Acq: 14 Jul 2022 21:52

Tgt Ion:112 Resp: 99506
Ion Ratio Lower Upper
112 100
64 60.0 55.1 82.7
63 40.9 30.4 45.6

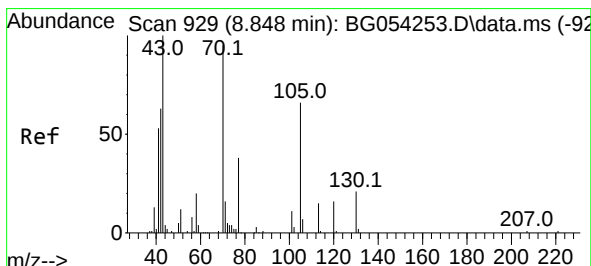
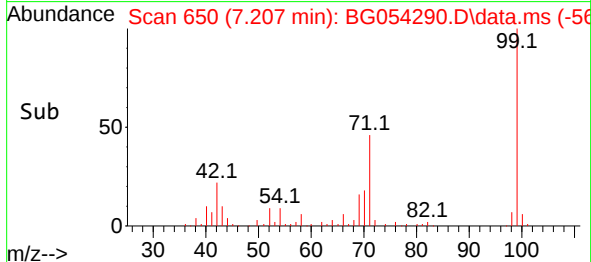
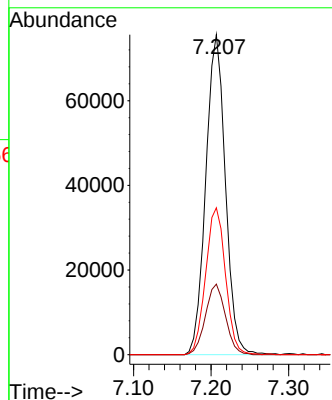
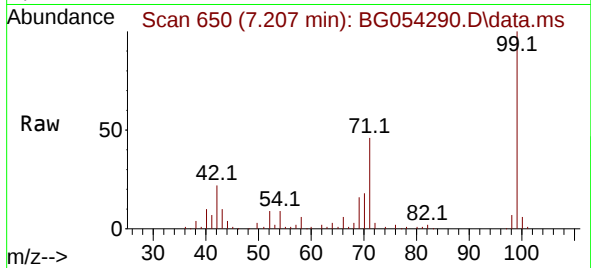




#7
Phenol-d6
Concen: 102.223 ng
RT: 7.207 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG054290.D
Acq: 14 Jul 2022 21:52

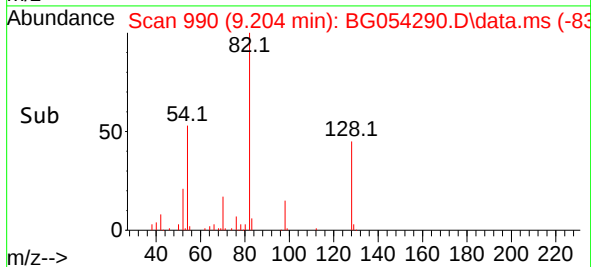
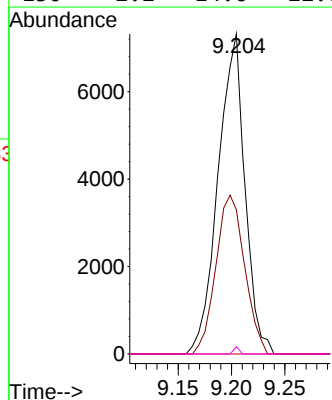
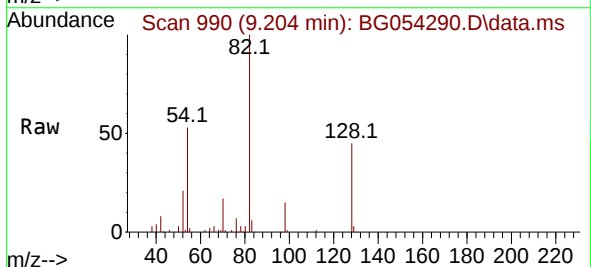
Instrument :
BNA_G
ClientSampleId :
72-12016

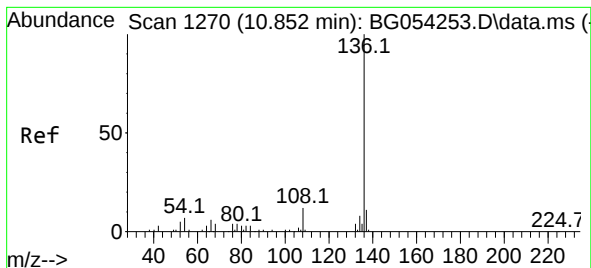
Tgt Ion: 99 Resp: 132816
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.6
71 45.9 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.436 ng
RT: 9.204 min Scan# 990
Delta R.T. 0.356 min
Lab File: BG054290.D
Acq: 14 Jul 2022 21:52

Tgt Ion: 70 Resp: 12805
Ion Ratio Lower Upper
70 100
42 45.1 47.3 70.9#
101 0.0 7.0 10.4#
130 2.2 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: BG054290.D

Acq: 14 Jul 2022 21:52

Instrument :

BNA_G

ClientSampleId :

72-12016

Tgt Ion:136 Resp: 70601

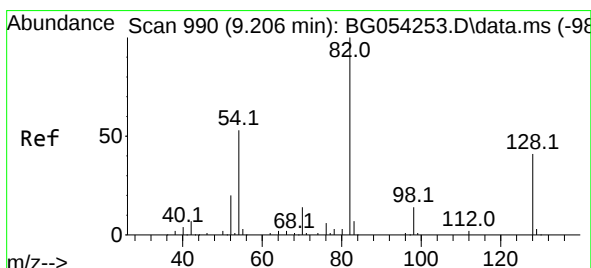
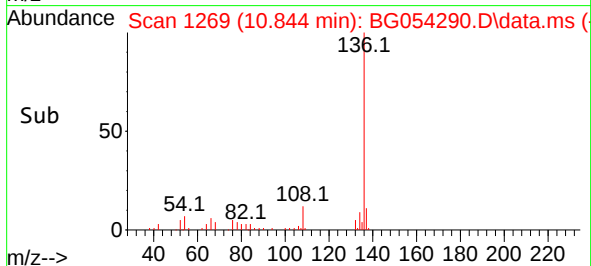
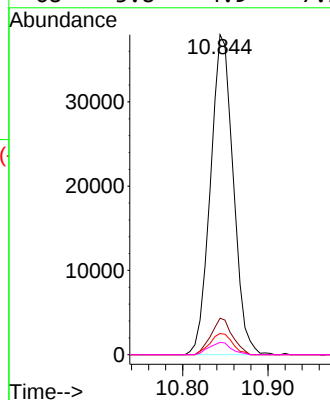
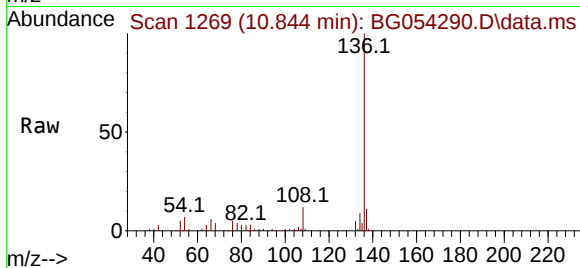
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 6.6 7.4 11.2#

68 3.8 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 68.992 ng

RT: 9.199 min Scan# 989

Delta R.T. -0.008 min

Lab File: BG054290.D

Acq: 14 Jul 2022 21:52

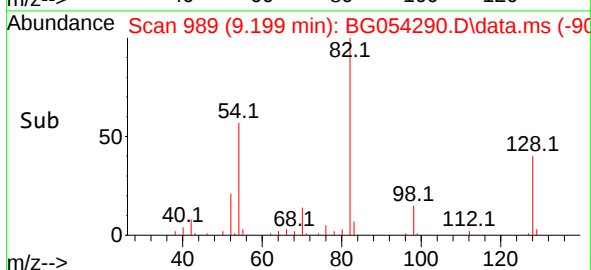
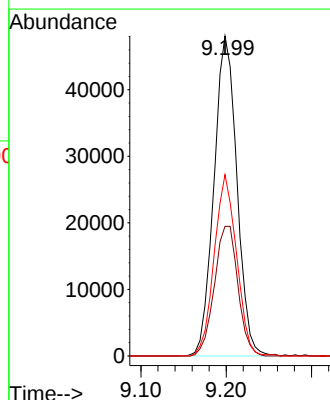
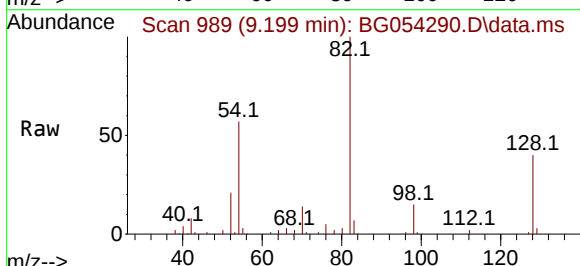
Tgt Ion: 82 Resp: 89759

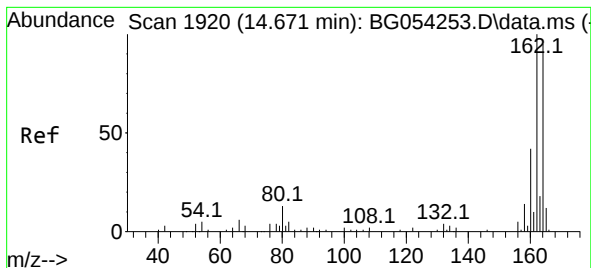
Ion Ratio Lower Upper

82 100

128 40.5 27.9 41.9

54 56.7 41.2 61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.669 min Scan# 1920

Delta R.T. -0.002 min

Lab File: BG054290.D

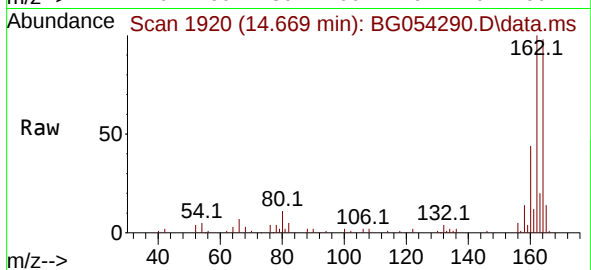
Acq: 14 Jul 2022 21:52

Instrument :

BNA_G

ClientSampleId :

72-12016



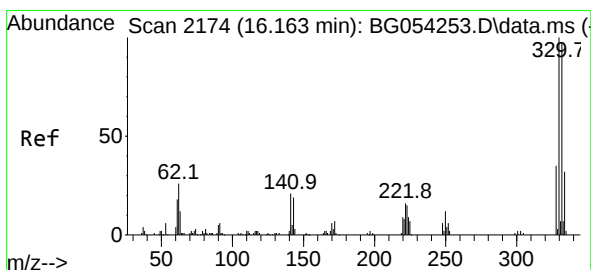
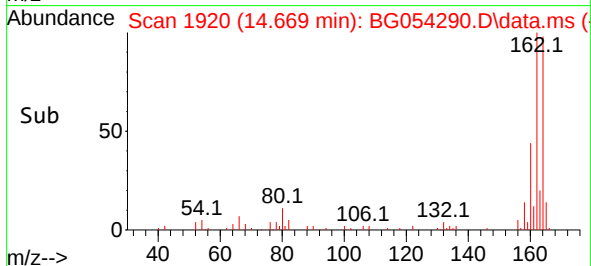
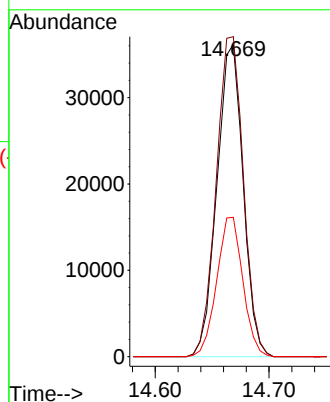
Tgt Ion:164 Resp: 57939

Ion Ratio Lower Upper

164 100

162 102.4 82.3 123.5

160 44.6 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 121.894 ng

RT: 16.155 min Scan# 2173

Delta R.T. -0.008 min

Lab File: BG054290.D

Acq: 14 Jul 2022 21:52

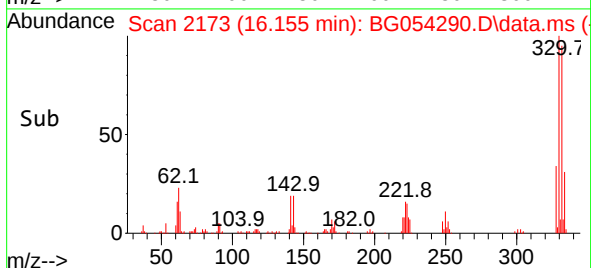
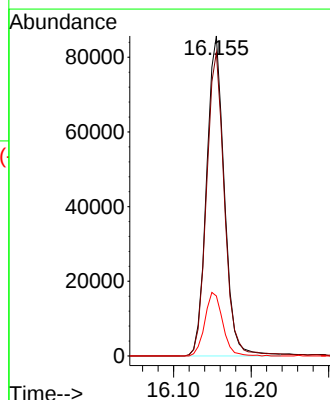
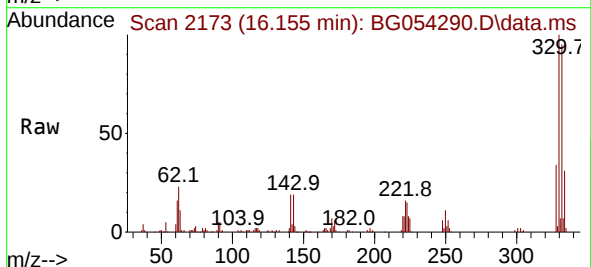
Tgt Ion:330 Resp: 136806

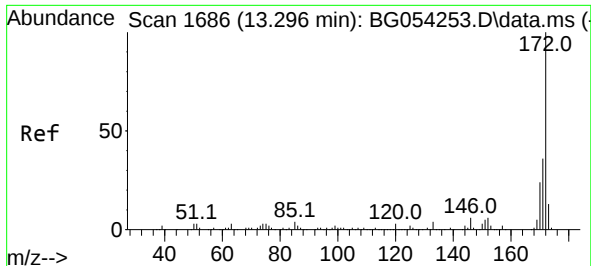
Ion Ratio Lower Upper

330 100

332 95.6 76.0 114.0

141 19.9 27.1 40.7#

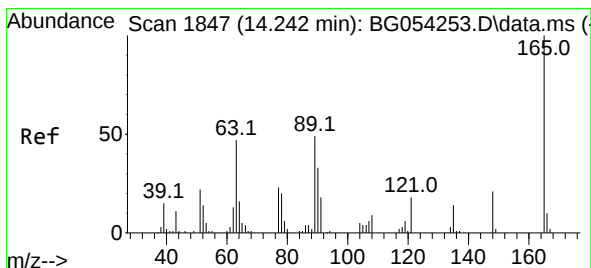
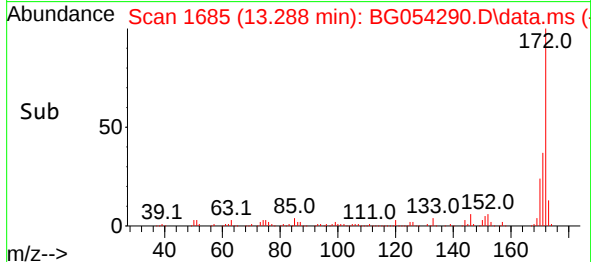
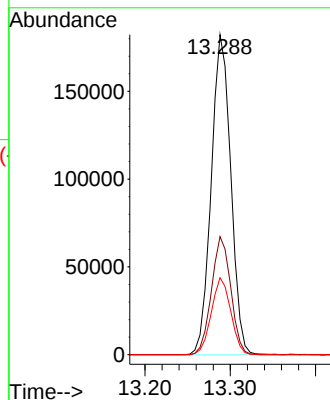
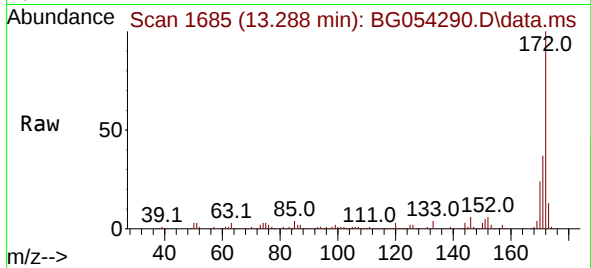




#45
2-Fluorobiphenyl
Concen: 73.663 ng
RT: 13.288 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG054290.D
Acq: 14 Jul 2022 21:52

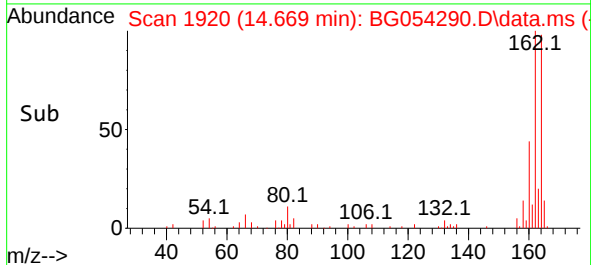
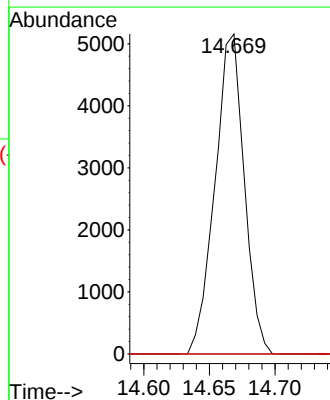
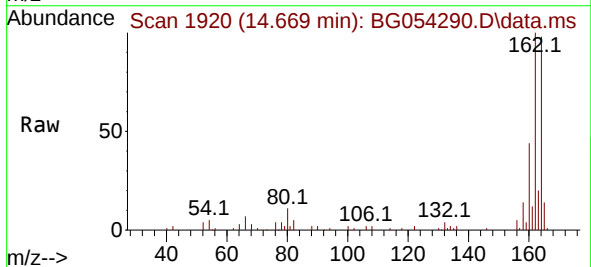
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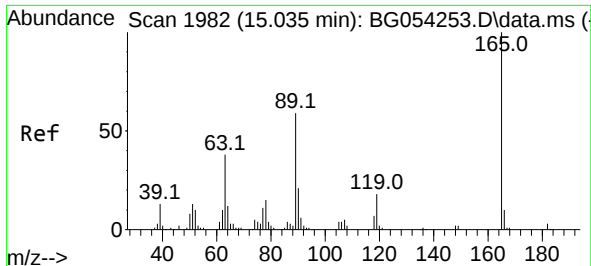
Tgt Ion:172 Resp: 290467
Ion Ratio Lower Upper
172 100
171 36.9 28.5 42.7
170 24.1 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.092 ng
RT: 14.669 min Scan# 1920
Delta R.T. 0.427 min
Lab File: BG054290.D
Acq: 14 Jul 2022 21:52

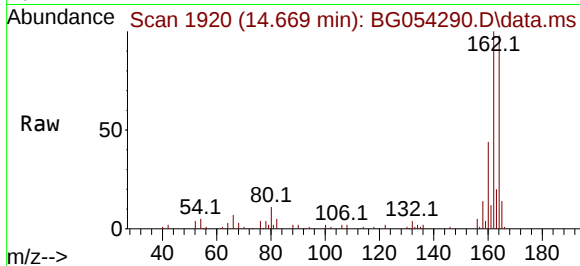
Tgt Ion:165 Resp: 8001
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



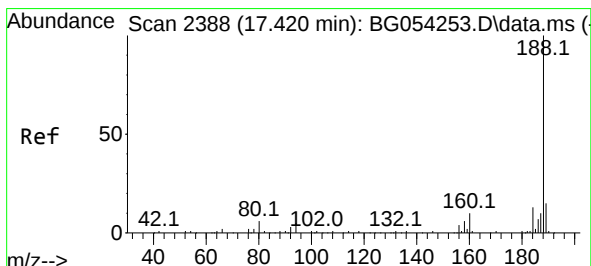
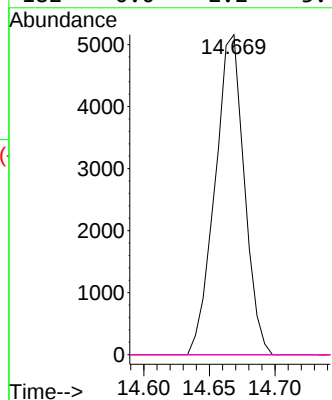
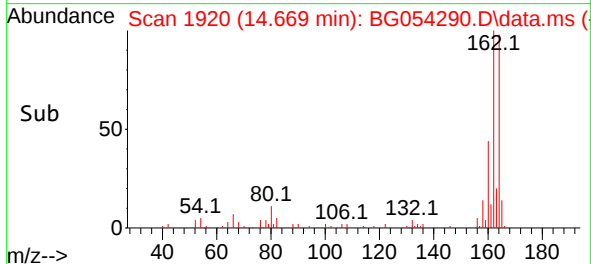


#57
2,4-Dinitrotoluene
Concen: 5.588 ng
RT: 14.669 min Scan# 1982
Delta R.T. -0.366 min
Lab File: BG054290.D
Acq: 14 Jul 2022 21:52

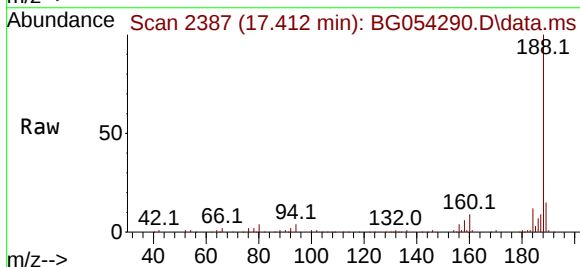
Instrument :
BNA_G
ClientSampleId :
72-12016



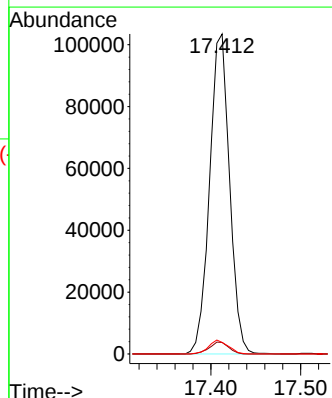
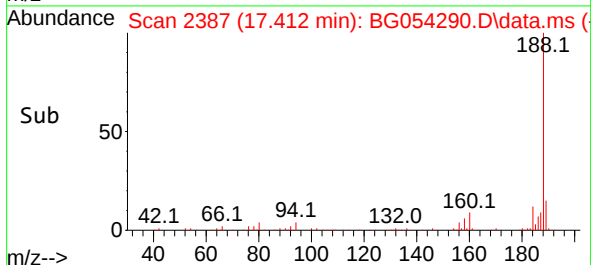
Tgt Ion:165 Resp: 8001
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#

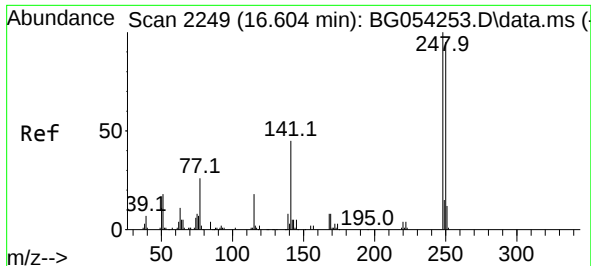


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.412 min Scan# 2387
Delta R.T. -0.008 min
Lab File: BG054290.D
Acq: 14 Jul 2022 21:52



Tgt Ion:188 Resp: 159729
Ion Ratio Lower Upper
188 100
94 3.6 5.4 8.0#
80 3.6 6.8 10.2#

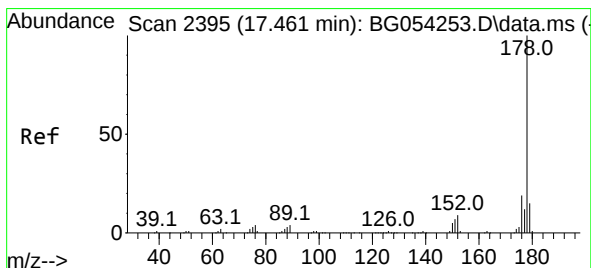
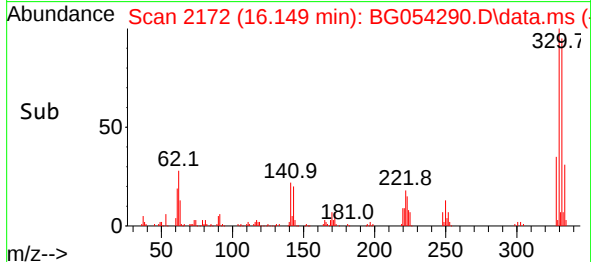
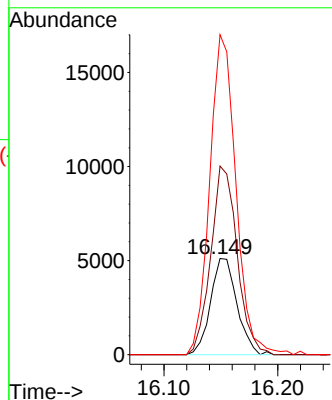
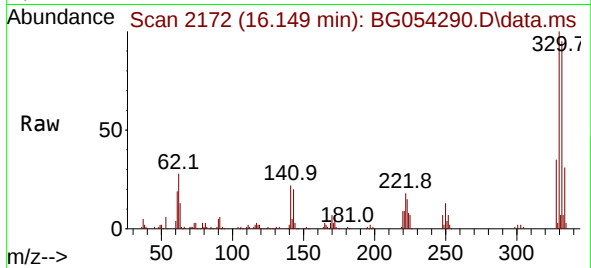




#67
4-Bromophenyl-phenylether
Concen: 3.871 ng
RT: 16.149 min Scan# 2172
Delta R.T. -0.454 min
Lab File: BG054290.D
Acq: 14 Jul 2022 21:52

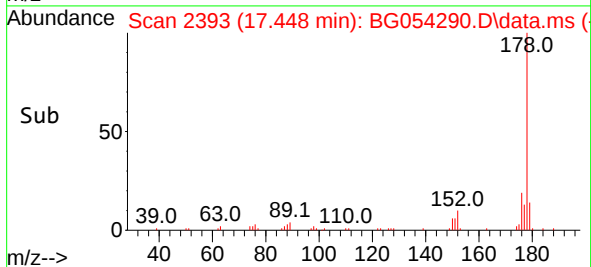
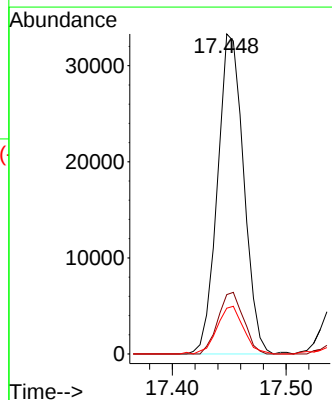
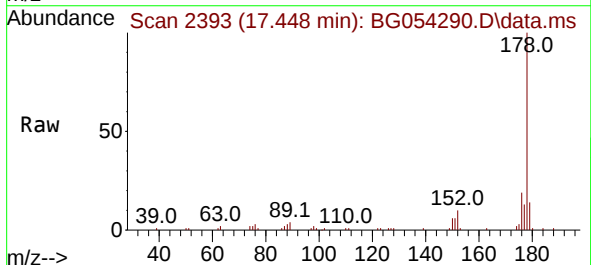
Instrument :
BNA_G
ClientSampleId :
72-12016

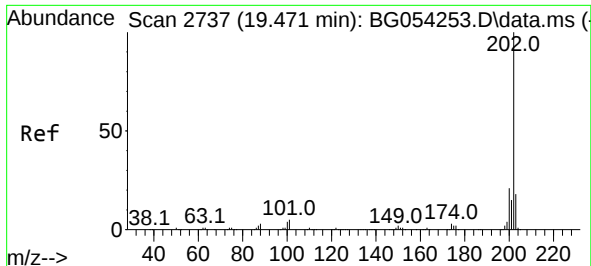
Tgt Ion:248 Resp: 8246
Ion Ratio Lower Upper
248 100
250 148.1 75.2 112.8#
141 251.4 50.0 75.0#



#71
Phenanthrene
Concen: 6.667 ng
RT: 17.448 min Scan# 2393
Delta R.T. -0.014 min
Lab File: BG054290.D
Acq: 14 Jul 2022 21:52

Tgt Ion:178 Resp: 53271
Ion Ratio Lower Upper
178 100
176 18.6 14.1 21.1
179 14.3 12.1 18.1

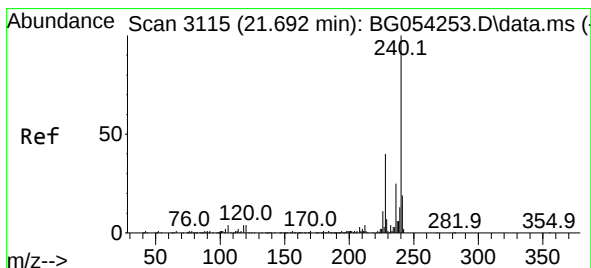
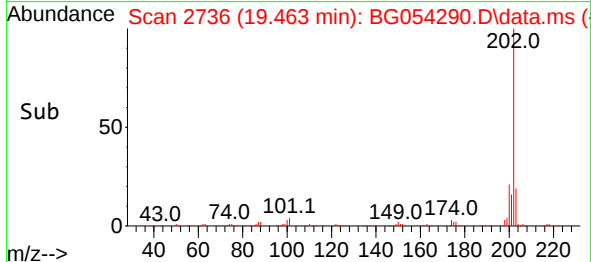
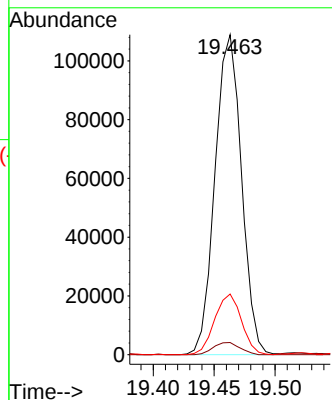
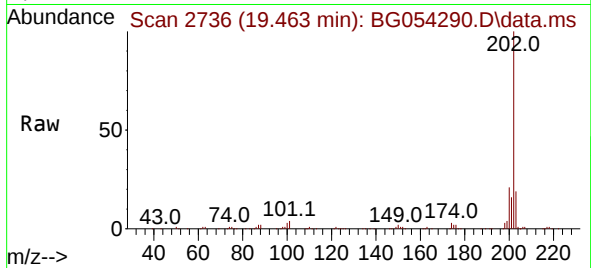




#75
Fluoranthene
Concen: 15.178 ng
RT: 19.463 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG054290.D
Acq: 14 Jul 2022 21:52

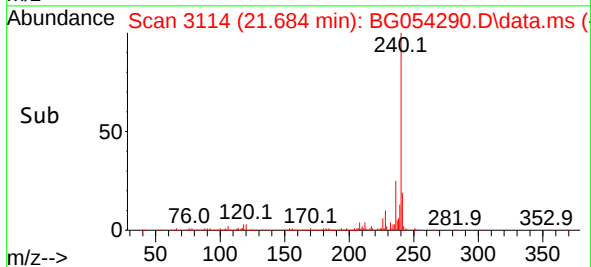
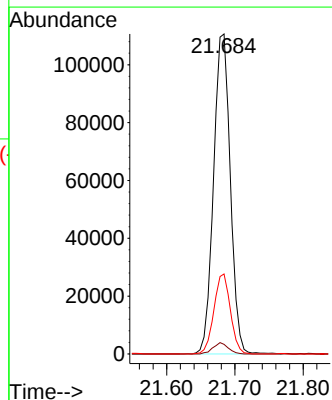
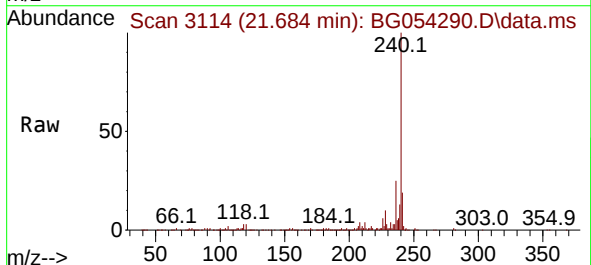
Instrument :
BNA_G
ClientSampleId :
72-12016

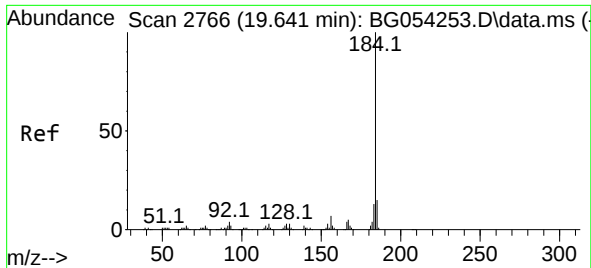
Tgt Ion:202 Resp: 164923
Ion Ratio Lower Upper
202 100
101 3.8 0.0 26.9
203 18.9 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.684 min Scan# 3114
Delta R.T. -0.008 min
Lab File: BG054290.D
Acq: 14 Jul 2022 21:52

Tgt Ion:240 Resp: 189164
Ion Ratio Lower Upper
240 100
120 3.0 4.6 7.0#
236 25.0 20.2 30.4

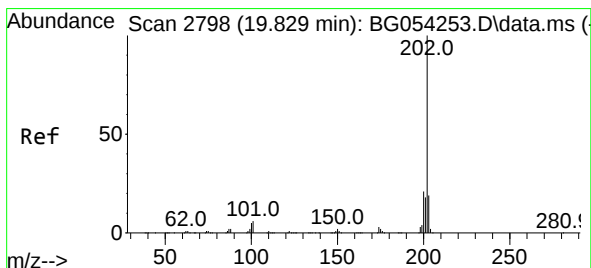
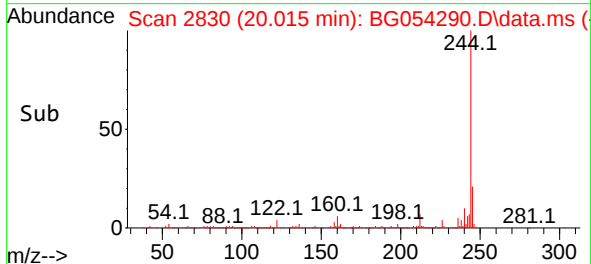
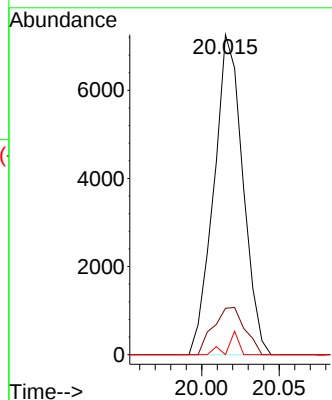
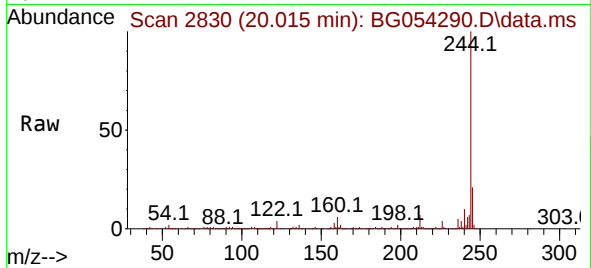




#77
Benzidine
Concen: 2.835 ng
RT: 20.015 min Scan# 21
Delta R.T. 0.374 min
Lab File: BG054290.D
Acq: 14 Jul 2022 21:52

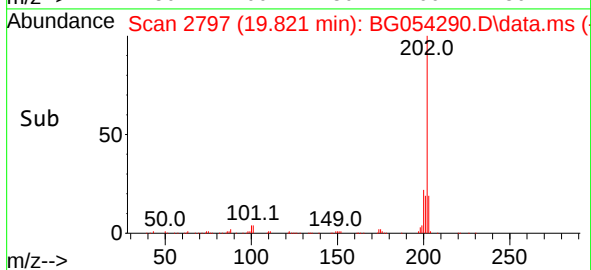
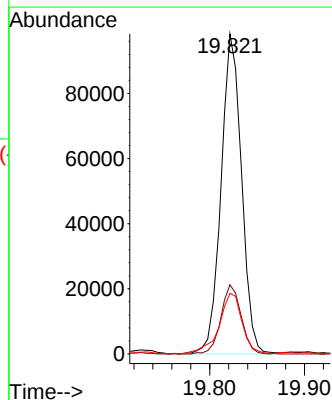
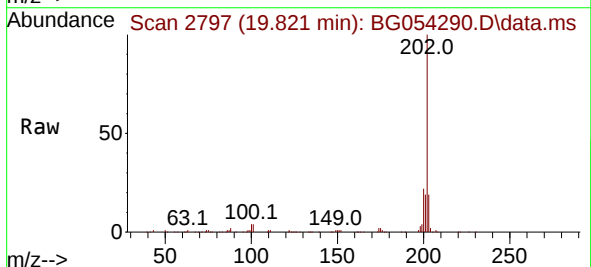
Instrument :
BNA_G
ClientSampleId :
72-12016

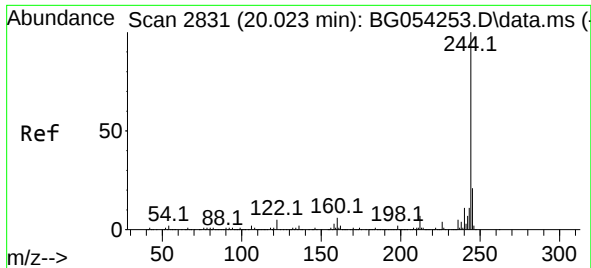
Tgt Ion:184 Resp: 9415
Ion Ratio Lower Upper
184 100
185 14.5 11.8 17.6
183 0.0 8.9 13.3#



#78
Pyrene
Concen: 13.581 ng
RT: 19.821 min Scan# 2797
Delta R.T. -0.008 min
Lab File: BG054290.D
Acq: 14 Jul 2022 21:52

Tgt Ion:202 Resp: 147850
Ion Ratio Lower Upper
202 100
200 21.7 16.6 24.8
203 19.0 14.6 21.8

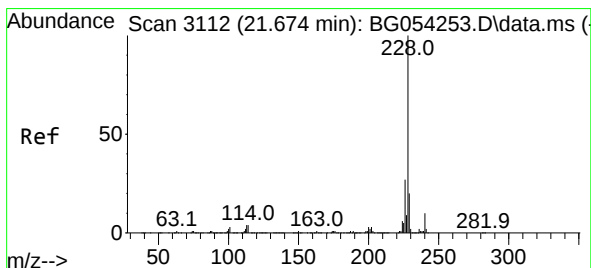
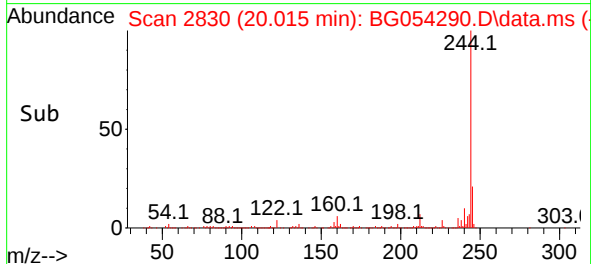
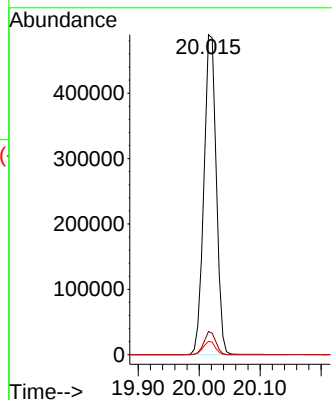
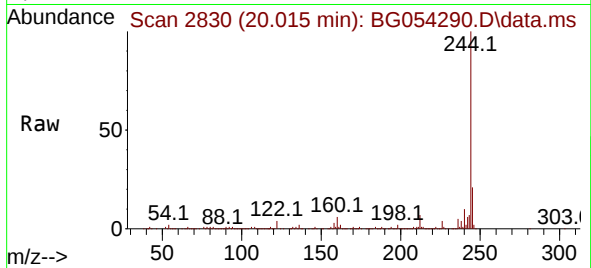




#79
 Terphenyl-d14
 Concen: 75.113 ng
 RT: 20.015 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG054290.D
 Acq: 14 Jul 2022 21:52

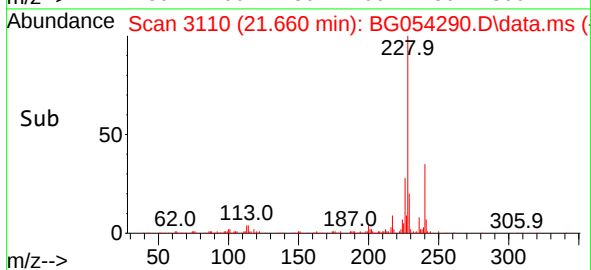
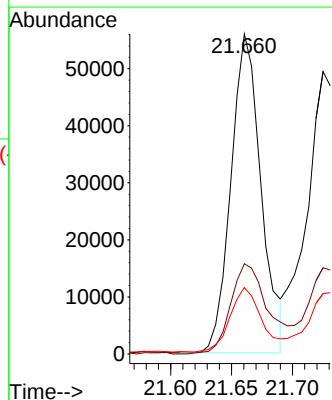
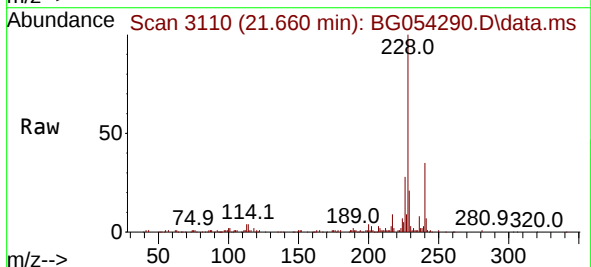
Instrument :
 BNA_G
 ClientSampleId :
 72-12016

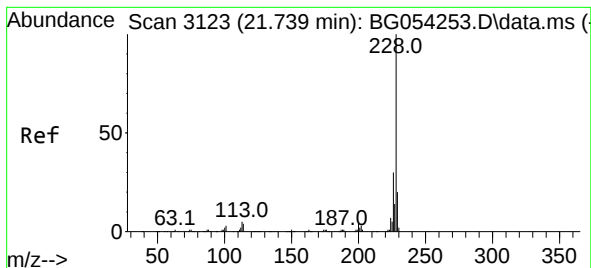
Tgt Ion:244 Resp: 690954
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 4.2 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 8.034 ng
 RT: 21.660 min Scan# 3110
 Delta R.T. -0.014 min
 Lab File: BG054290.D
 Acq: 14 Jul 2022 21:52

Tgt Ion:228 Resp: 96137
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.6 32.4
 229 20.8 16.2 24.2





#83

Chrysene

Concen: 8.500 ng

RT: 21.725 min Scan# 3123

Delta R.T. -0.014 min

Lab File: BG054290.D

Acq: 14 Jul 2022 21:52

Instrument :

BNA_G

ClientSampleId :

72-12016

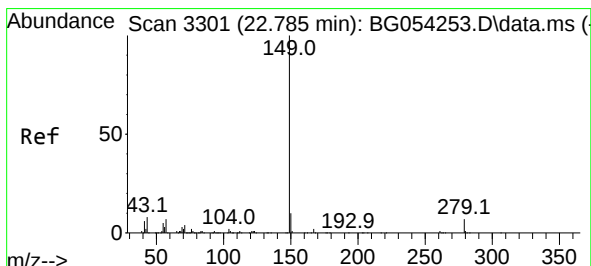
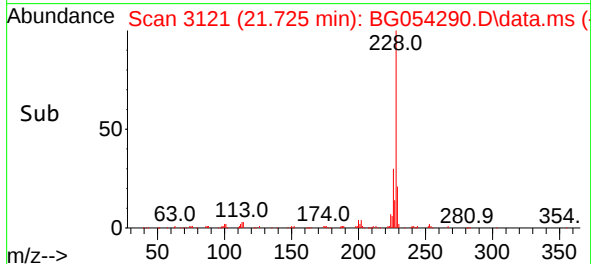
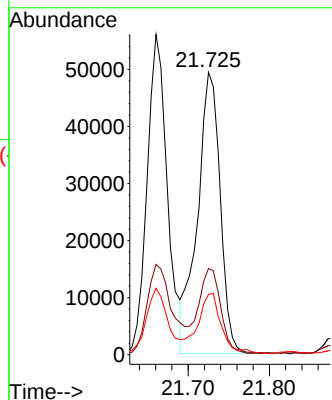
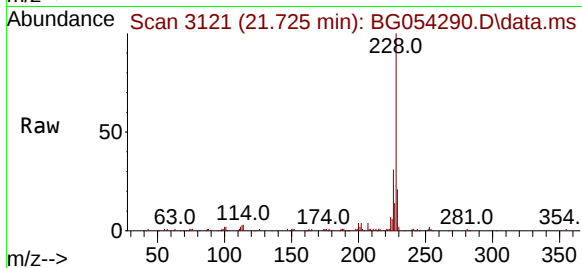
Tgt Ion:228 Resp: 96194

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.2

229 21.3 15.5 23.3



#85

Di-n-octyl phthalate

Concen: 3.105 ng

RT: 22.724 min Scan# 3291

Delta R.T. -0.061 min

Lab File: BG054290.D

Acq: 14 Jul 2022 21:52

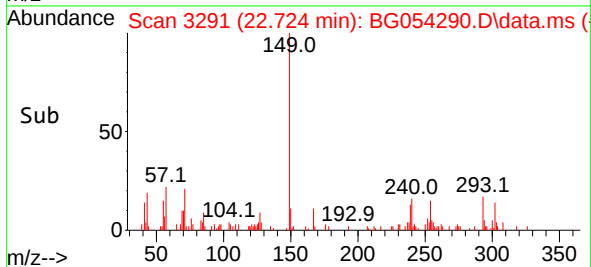
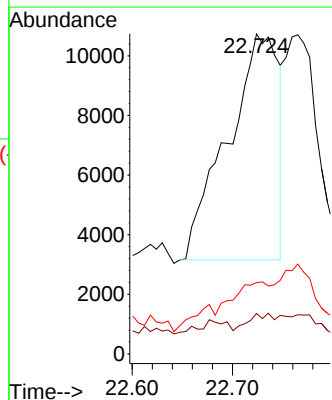
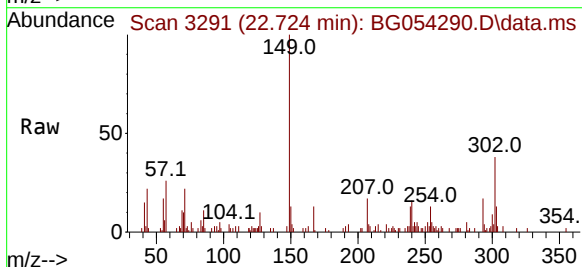
Tgt Ion:149 Resp: 26751

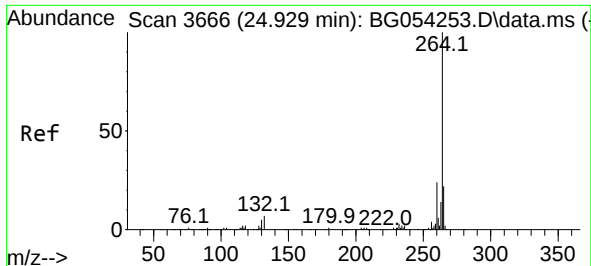
Ion Ratio Lower Upper

149 100

167 1.2 1.3 1.9#

43 9.7 9.0 13.4

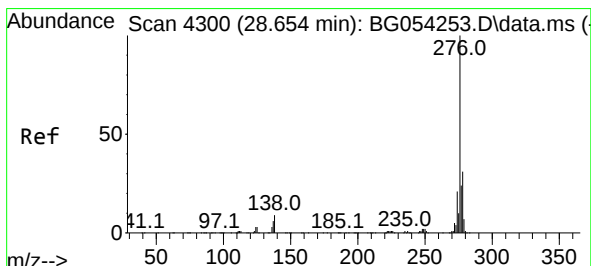
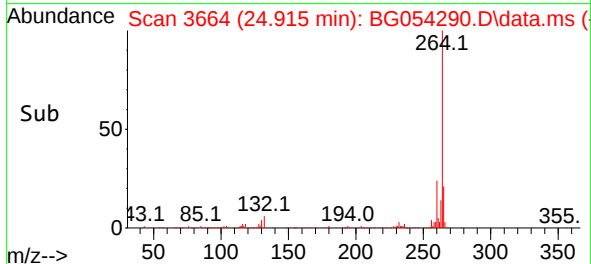
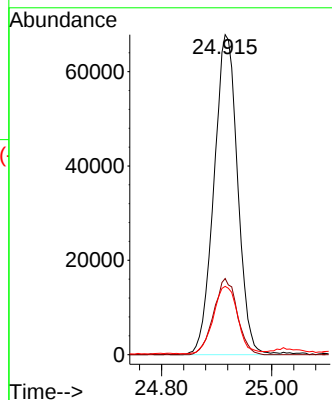
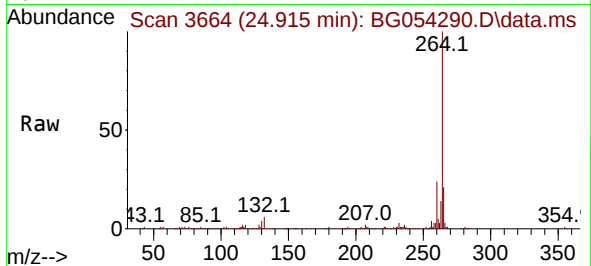




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.915 min Scan# 30
Delta R.T. -0.014 min
Lab File: BG054290.D
Acq: 14 Jul 2022 21:52

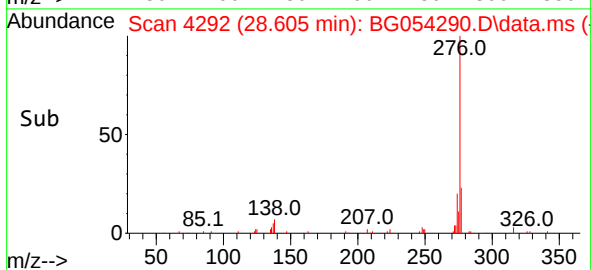
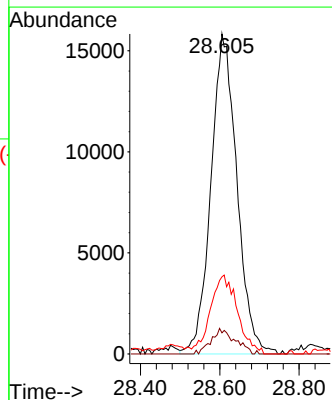
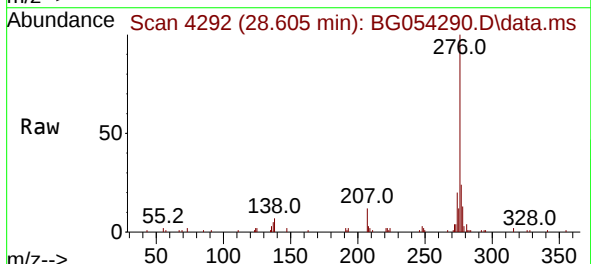
Instrument :
BNA_G
ClientSampleId :
72-12016

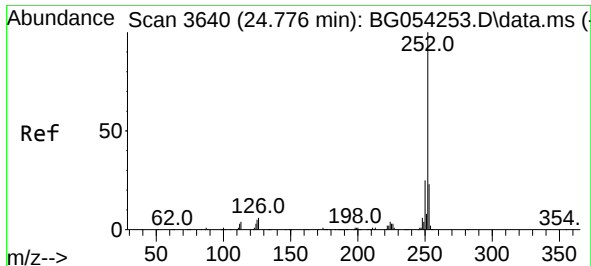
Tgt Ion:264 Resp: 201942
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 21.3 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.742 ng
RT: 28.605 min Scan# 4292
Delta R.T. -0.049 min
Lab File: BG054290.D
Acq: 14 Jul 2022 21:52

Tgt Ion:276 Resp: 72043
Ion Ratio Lower Upper
276 100
138 7.2 5.0 7.4
277 25.6 20.3 30.5

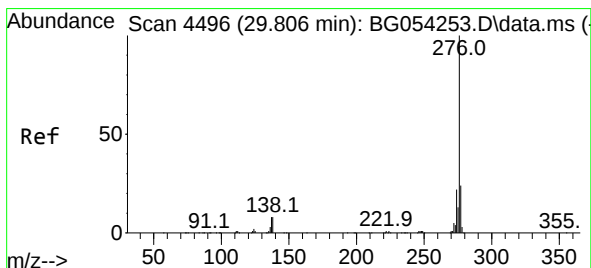
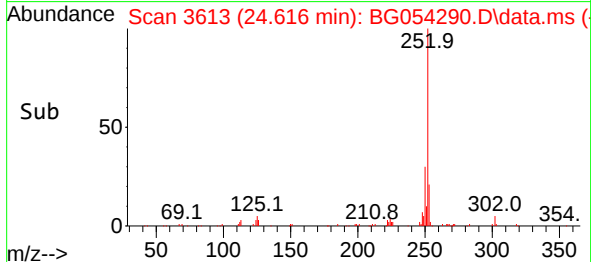
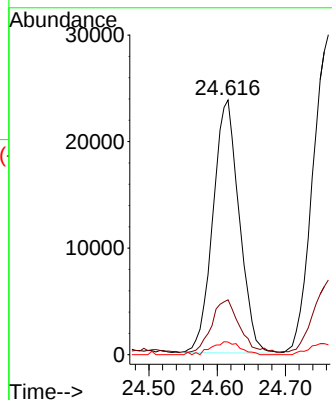
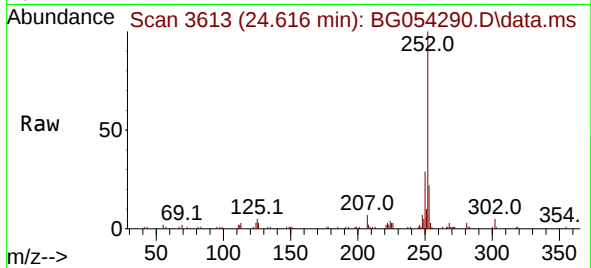




#90
Benzo(a)pyrene
Concen: 6.203 ng
RT: 24.616 min Scan# 30
Delta R.T. -0.161 min
Lab File: BG054290.D
Acq: 14 Jul 2022 21:52

Instrument :
BNA_G
ClientSampleId :
72-12016

Tgt Ion:252 Resp: 63555
Ion Ratio Lower Upper
252 100
253 21.5 17.8 26.8
125 5.0 4.3 6.5



#92
Benzo(g,h,i)perylene
Concen: 5.379 ng
RT: 29.757 min Scan# 4488
Delta R.T. -0.049 min
Lab File: BG054290.D
Acq: 14 Jul 2022 21:52

Tgt Ion:276 Resp: 66778
Ion Ratio Lower Upper
276 100
277 25.4 17.3 25.9
138 6.6 9.6 14.4#

