

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
 Data File : BG053041.D
 Acq On : 5 Apr 2022 21:08
 Operator : CG/JU
 Sample : N2337-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A01015

Quant Time: Apr 06 04:15:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 14:24:42 2022
 Response via : Initial Calibration

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

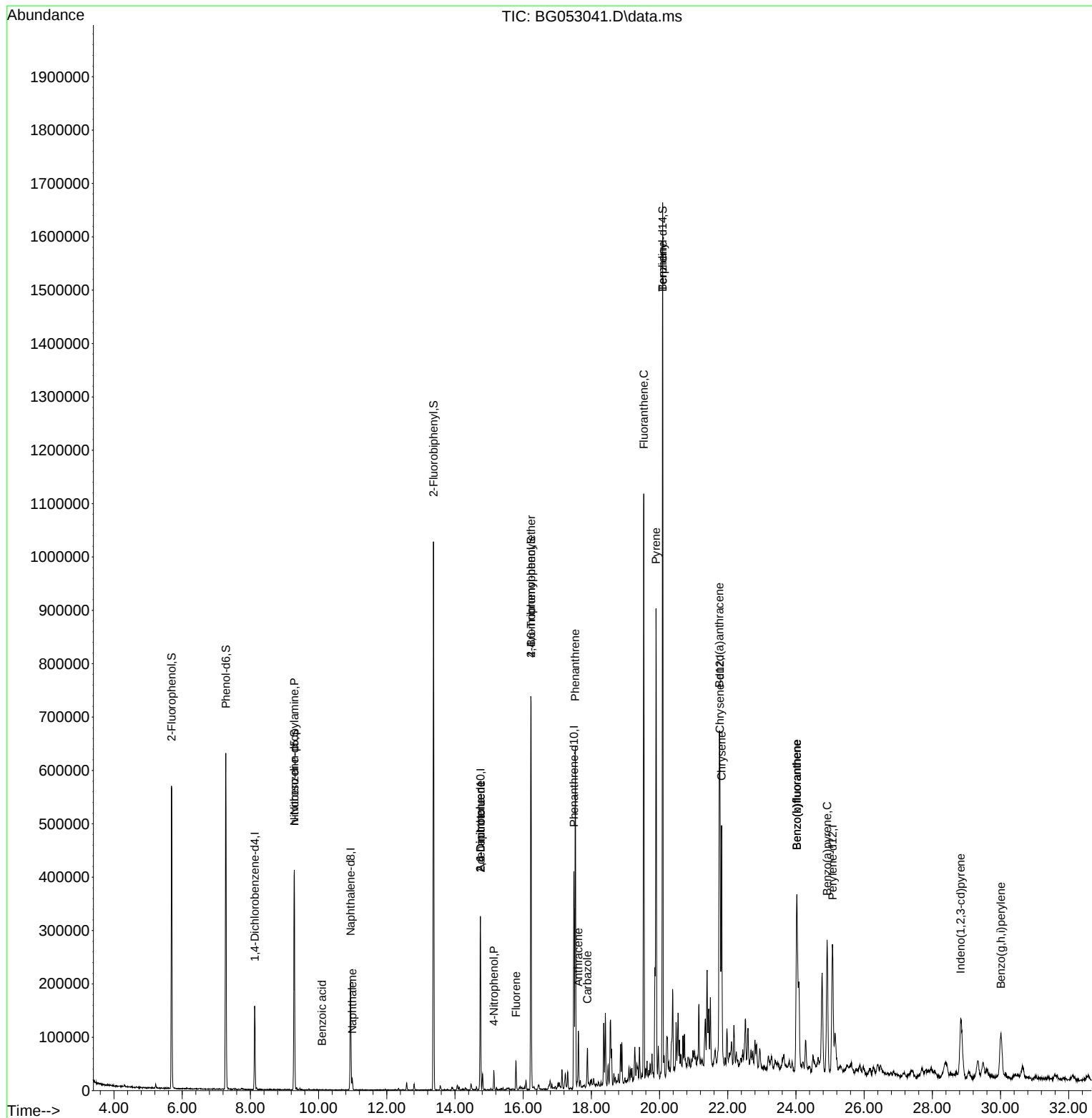
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.125	152	41634	20.000	ng	-0.02
21) Naphthalene-d8	10.939	136	166385	20.000	ng	-0.02
39) Acenaphthene-d10	14.746	164	117919	20.000	ng	-0.02
64) Phenanthrene-d10	17.489	188	253584	20.000	ng	-0.01
76) Chrysene-d12	21.772	240	246901	20.000	ng	-0.03
86) Perylene-d12	25.073	264	271021	20.000	ng	#-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	233321	97.596	ng	0.00
7) Phenol-d6	7.279	99	342016	94.894	ng	0.00
23) Nitrobenzene-d5	9.288	82	258728	78.046	ng	-0.01
42) 2,4,6-Tribromophenol	16.232	330	143843	90.780	ng	-0.01
45) 2-Fluorobiphenyl	13.371	172	524003	65.539	ng	-0.02
79) Terphenyl-d14	20.091	244	805969	58.068	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	7.274	77	910	Below Cal	#	23
19) n-Nitroso-di-n-propyla...	9.288	70	35260	13.813	ng	# 81
31) Naphthalene	10.986	128	17557	2.041	ng	95
32) Benzoic acid	10.099	122	56	5.701	ng	# 1
51) 2,6-Dinitrotoluene	14.746	165	16017	10.825	ng	# 26
56) 4-Nitrophenol	15.139	139	7660	5.424	ng	# 2
57) 2,4-Dinitrotoluene	14.746	165	16017	7.802	ng	# 25
58) Fluorene	15.791	166	25422	2.879	ng	97
67) 4-Bromophenyl-phenylether	16.232	248	9148	2.992	ng	# 1
71) Phenanthrene	17.530	178	405813	29.914	ng	97
72) Anthracene	17.618	178	71050	5.298	ng	98
73) Carbazole	17.883	167	44490	3.350	ng	100
75) Fluoranthene	19.539	202	712367	41.368	ng	99
77) Benzidine	20.091	184	14170	2.225	ng	# 94
78) Pyrene	19.898	202	592144	34.574	ng	98
81) Benzo(a)anthracene	21.754	228	374370	22.644	ng	98
83) Chrysene	21.819	228	328793	21.154	ng	97
87) Indeno(1,2,3-cd)pyrene	28.833	276	201459	10.860	ng	98
88) Benzo(b)fluoranthene	24.027	252	433156	25.740	ng	97
89) Benzo(k)fluoranthene	24.027	252	433156	26.162	ng	97
90) Benzo(a)pyrene	24.914	252	298730	20.972	ng	98
92) Benzo(g,h,i)perylene	30.013	276	182886	12.092	ng	99

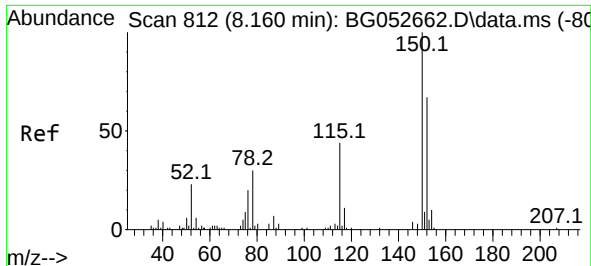
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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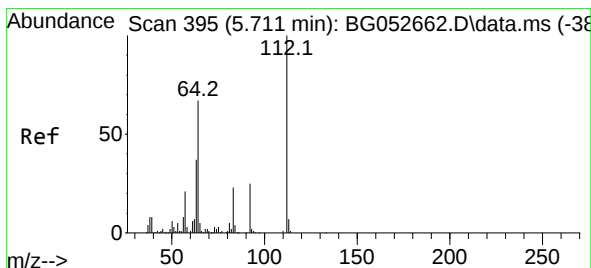
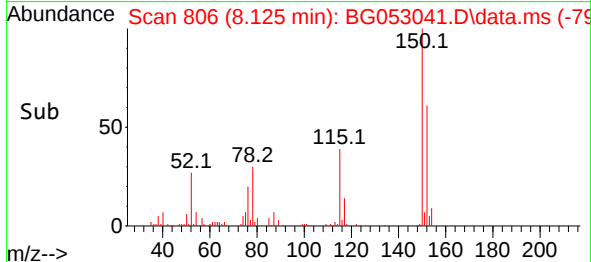
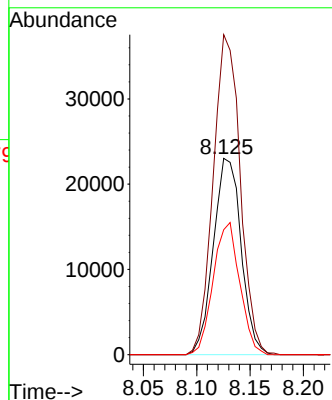
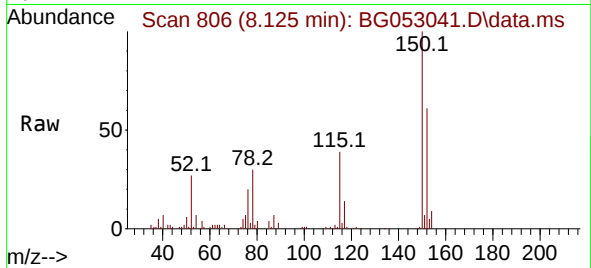




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.125 min Scan# 80
 Delta R.T. -0.021 min
 Lab File: BG053041.D
 Acq: 5 Apr 2022 21:08

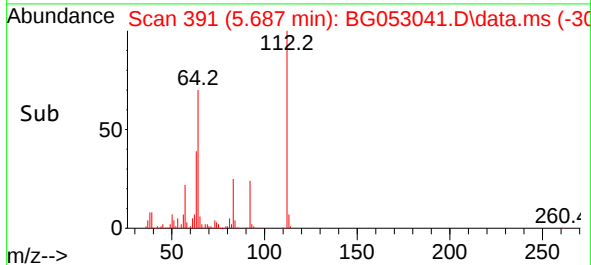
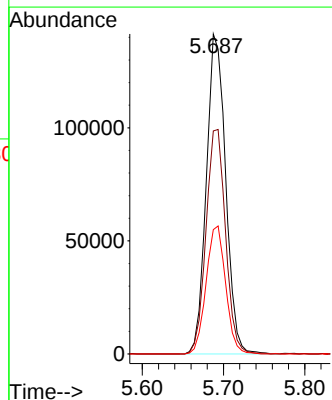
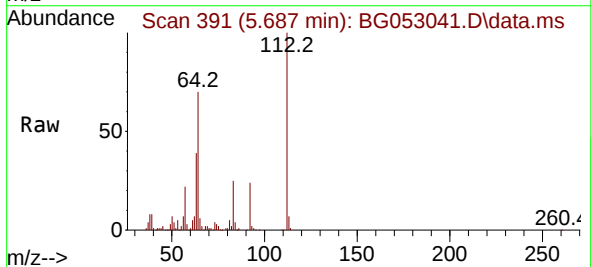
Instrument :
 BNA_G
 ClientSampleId :
 A01015

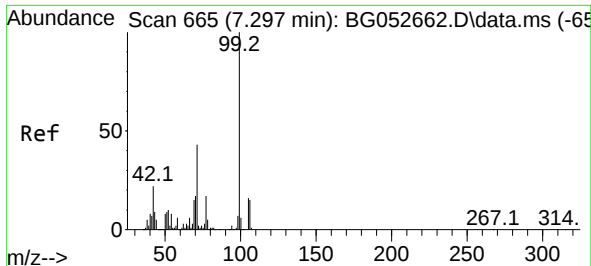
Tgt Ion:152 Resp: 41634
 Ion Ratio Lower Upper
 152 100
 150 163.0 114.6 172.0
 115 63.6 45.9 68.9



#5
 2-Fluorophenol
 Concen: 97.596 ng
 RT: 5.687 min Scan# 391
 Delta R.T. -0.009 min
 Lab File: BG053041.D
 Acq: 5 Apr 2022 21:08

Tgt Ion:112 Resp: 233321
 Ion Ratio Lower Upper
 112 100
 64 69.7 48.0 72.0
 63 38.9 26.5 39.7

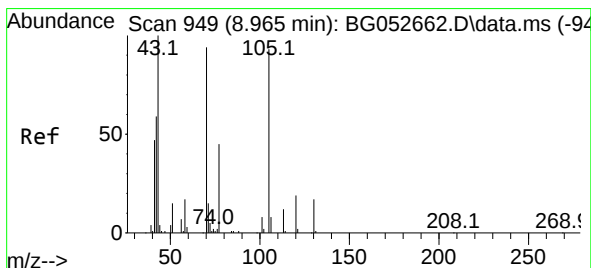
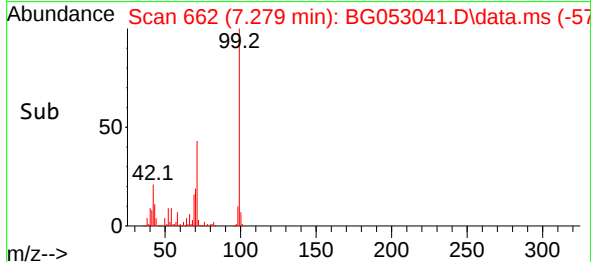
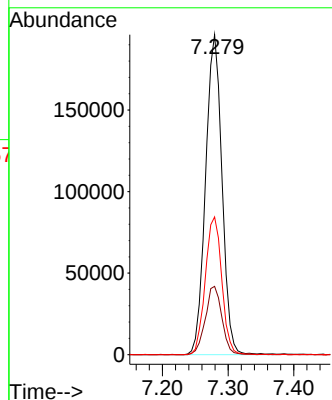
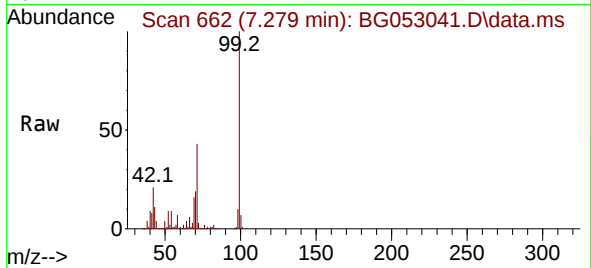




#7
Phenol-d6
Concen: 94.894 ng
RT: 7.279 min Scan# 60
Delta R.T. -0.009 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

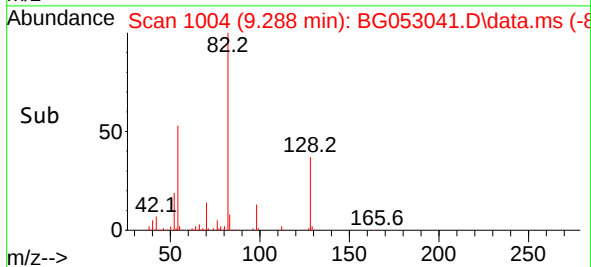
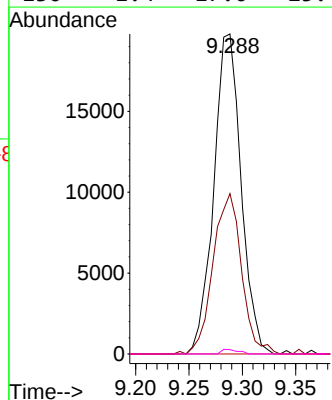
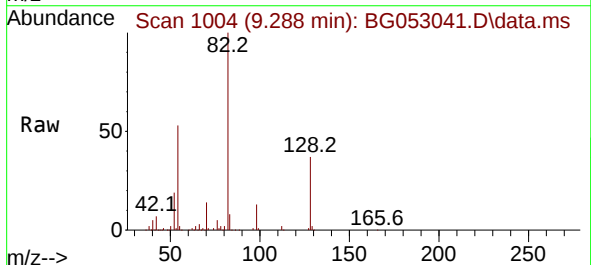
Instrument :
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ClientSampleId :
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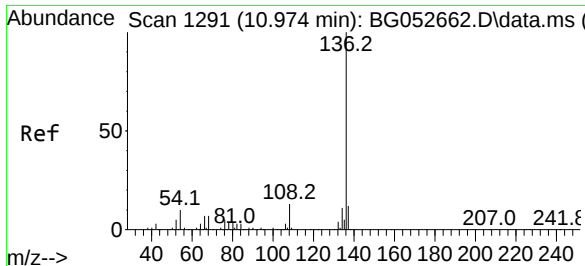
Tgt Ion: 99 Resp: 342016
Ion Ratio Lower Upper
99 100
42 21.3 14.7 22.1
71 43.1 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.813 ng
RT: 9.288 min Scan# 1004
Delta R.T. 0.343 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

Tgt Ion: 70 Resp: 35260
Ion Ratio Lower Upper
70 100
42 50.1 46.0 69.0
101 0.0 6.2 9.4#
130 1.4 17.0 25.4#

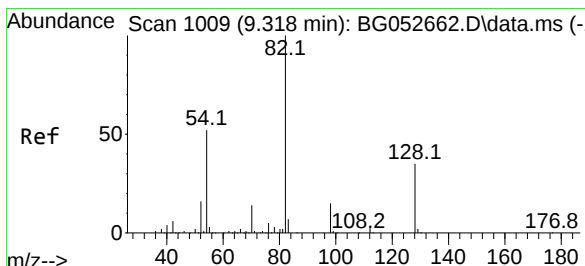
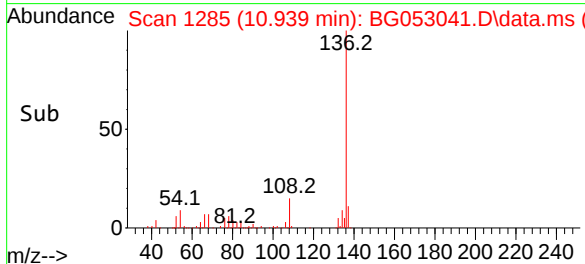
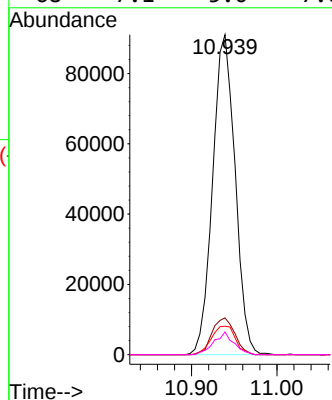
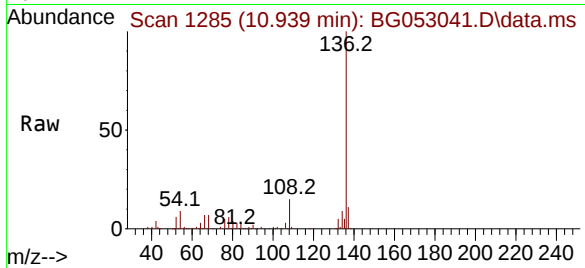




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.939 min Scan# 1004
Delta R.T. -0.021 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

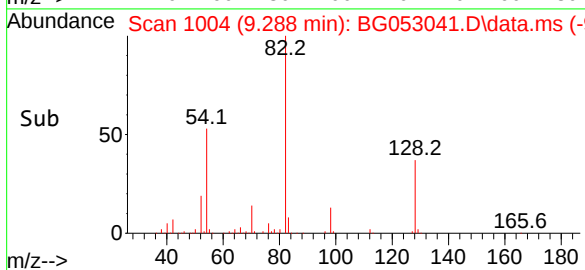
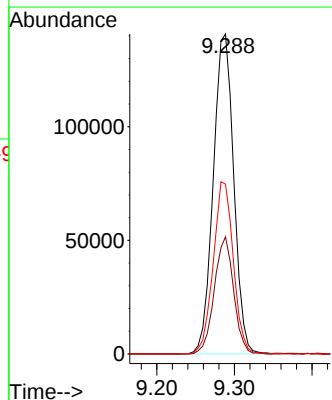
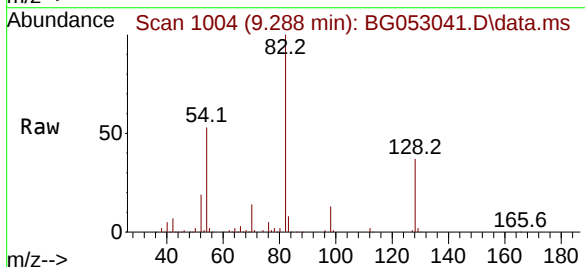
Instrument :
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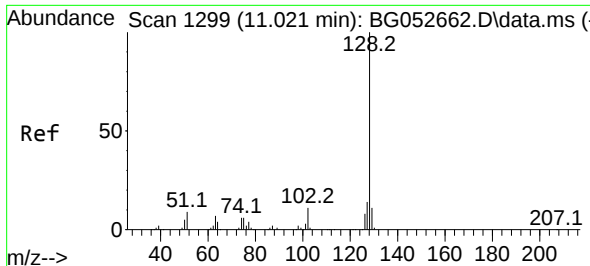
Tgt Ion:136 Resp: 166385
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.2
54 8.9 6.4 9.6
68 7.1 5.0 7.6



#23
Nitrobenzene-d5
Concen: 78.046 ng
RT: 9.288 min Scan# 1004
Delta R.T. -0.015 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

Tgt Ion: 82 Resp: 258728
Ion Ratio Lower Upper
82 100
128 36.6 31.3 46.9
54 53.1 37.8 56.8

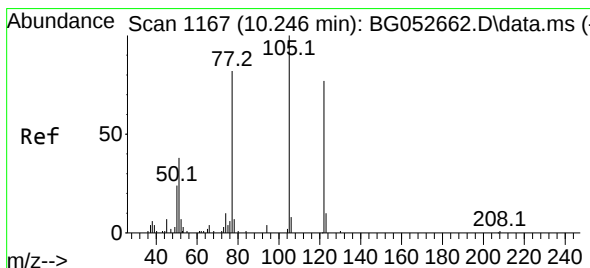
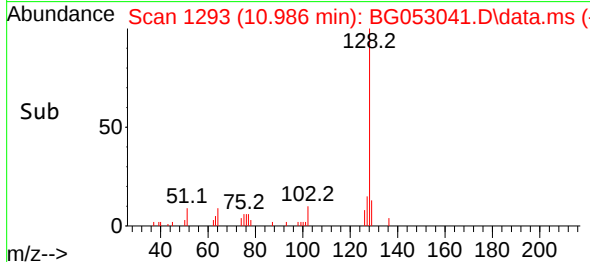
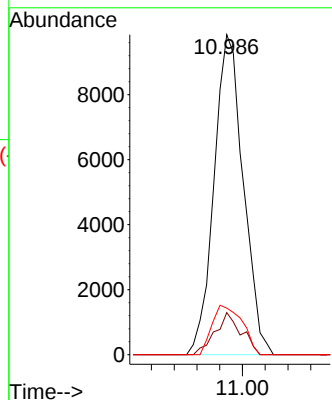
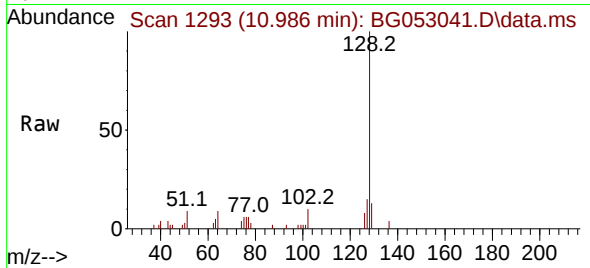




#31
Naphthalene
Concen: 2.041 ng
RT: 10.986 min Scan# 1142
Delta R.T. -0.021 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

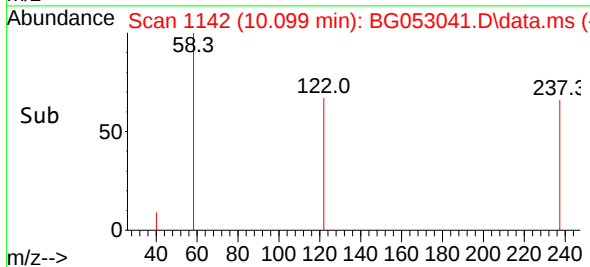
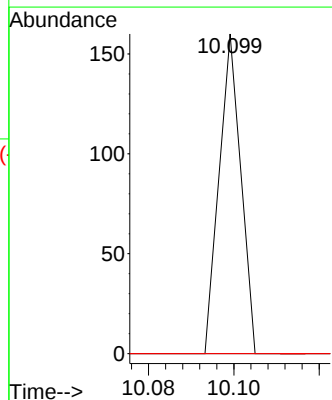
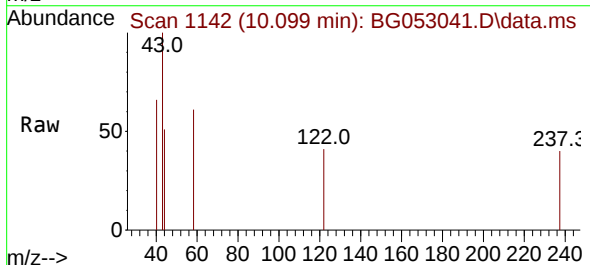
Instrument :
BNA_G
ClientSampleId :
A01015

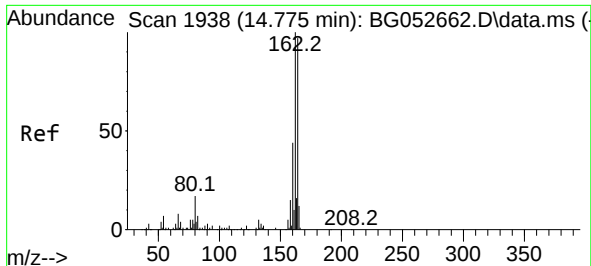
Tgt Ion:128 Resp: 17557
Ion Ratio Lower Upper
128 100
129 13.2 8.8 13.2
127 14.5 10.5 15.7



#32
Benzoic acid
Concen: 5.701 ng
RT: 10.099 min Scan# 1142
Delta R.T. -0.138 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

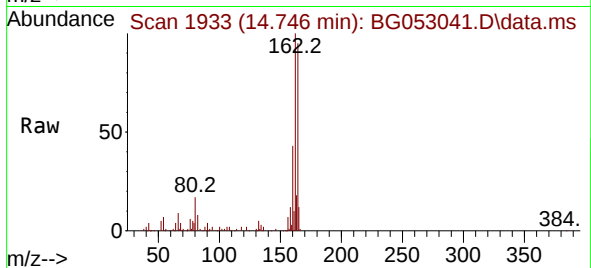
Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 112.8 152.8#
77 0.0 78.4 118.4#



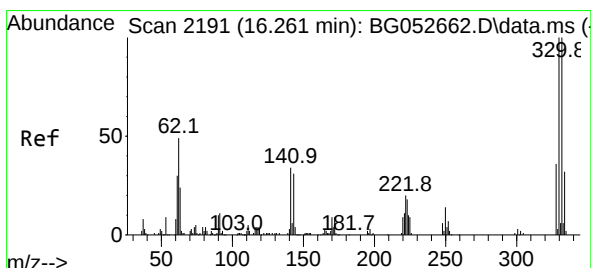
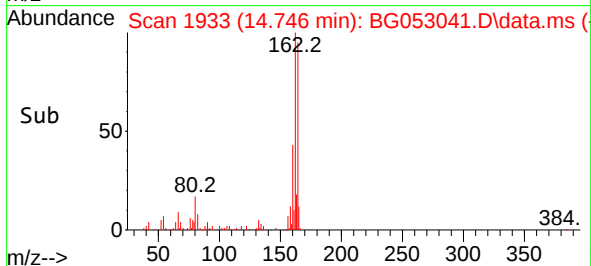
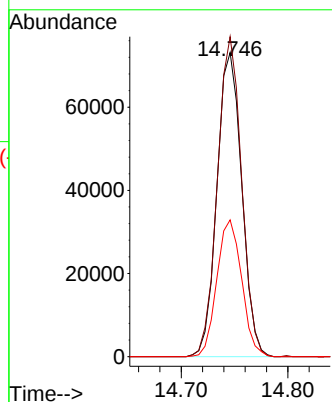


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.746 min Scan# 1933
Delta R.T. -0.021 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

Instrument :
BNA_G
ClientSampleId :
A01015

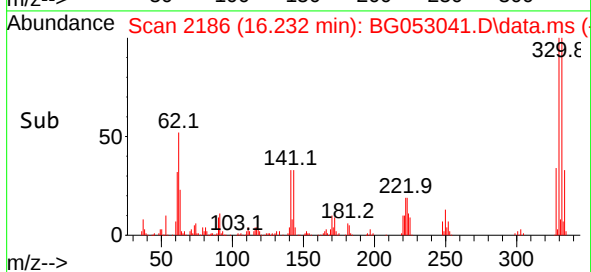
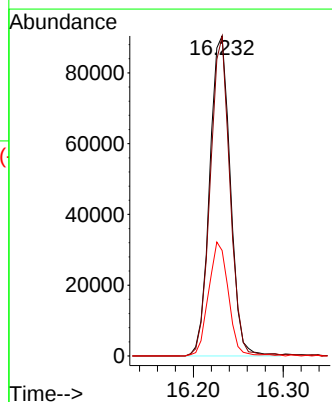
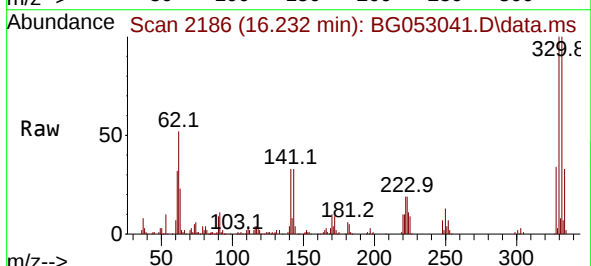


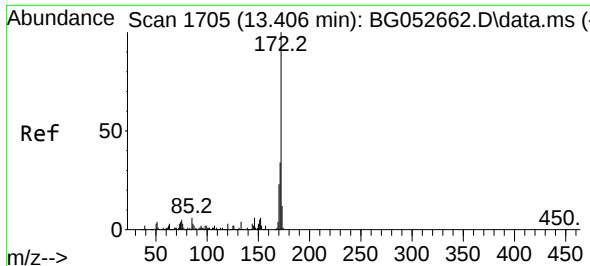
Tgt Ion:164 Resp: 117919
Ion Ratio Lower Upper
164 100
162 105.2 80.0 120.0
160 45.0 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 90.780 ng
RT: 16.232 min Scan# 2186
Delta R.T. -0.015 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

Tgt Ion:330 Resp: 143843
Ion Ratio Lower Upper
330 100
332 95.8 75.8 113.6
141 34.4 24.6 36.8

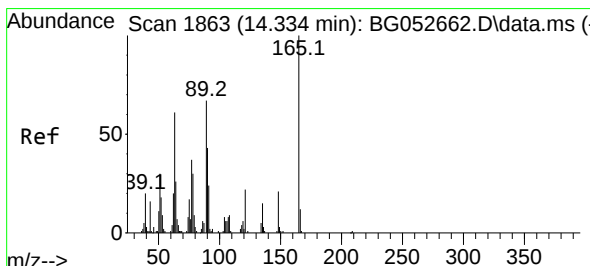
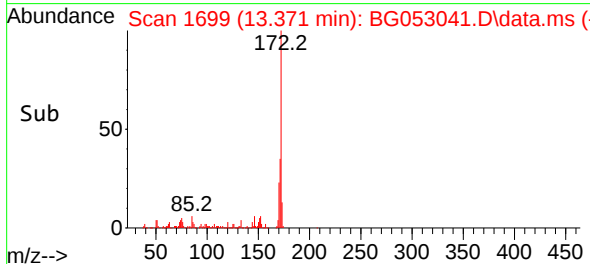
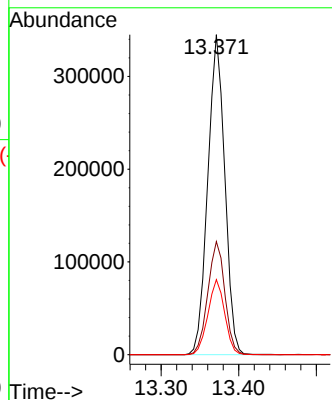
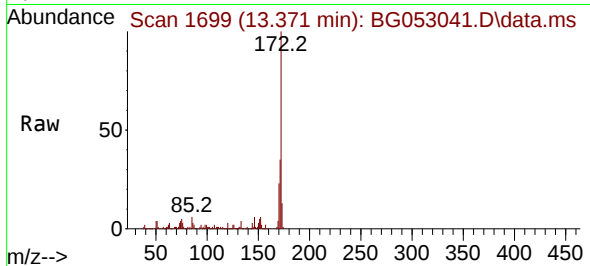




#45
2-Fluorobiphenyl
Concen: 65.539 ng
RT: 13.371 min Scan# 1
Delta R.T. -0.021 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

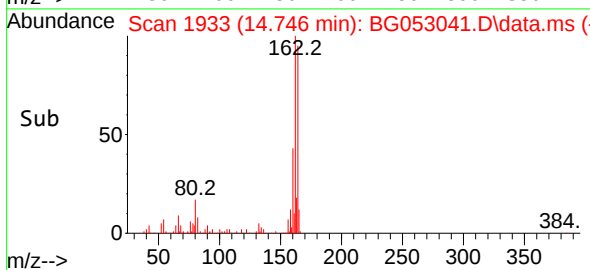
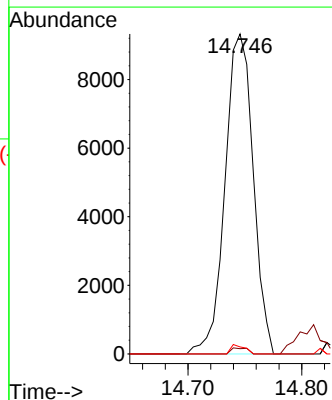
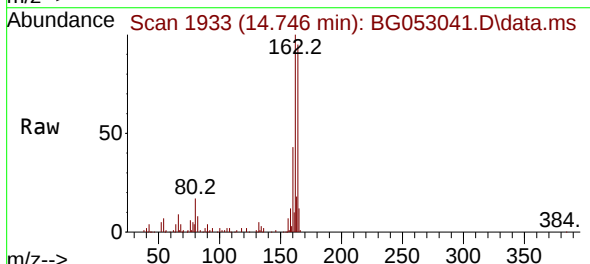
Instrument :
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ClientSampleId :
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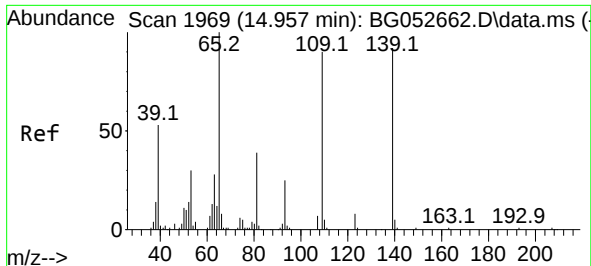
Tgt Ion:172 Resp: 524003
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.4 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 10.825 ng
RT: 14.746 min Scan# 1933
Delta R.T. 0.420 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

Tgt Ion:165 Resp: 16017
Ion Ratio Lower Upper
165 100
63 1.6 43.7 65.5#
89 2.2 45.0 67.4#

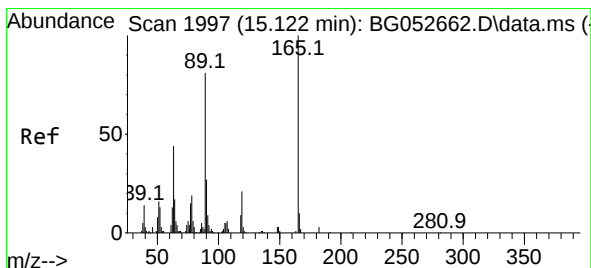
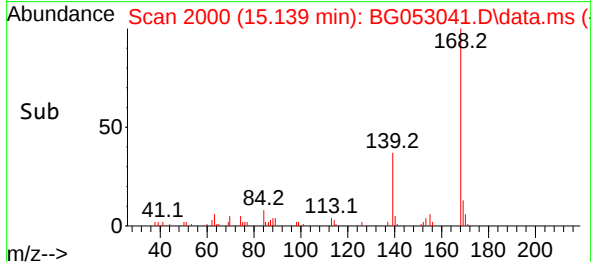
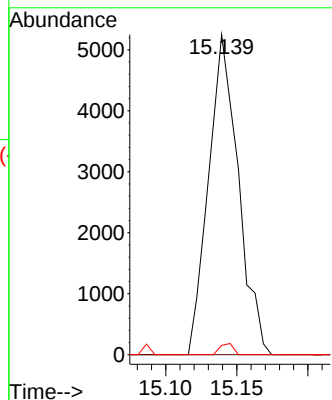
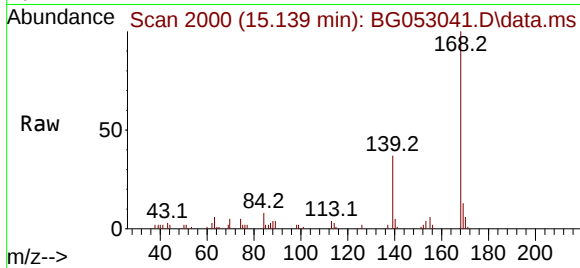




#56
4-Nitrophenol
Concen: 5.424 ng
RT: 15.139 min Scan# 20
Delta R.T. 0.191 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

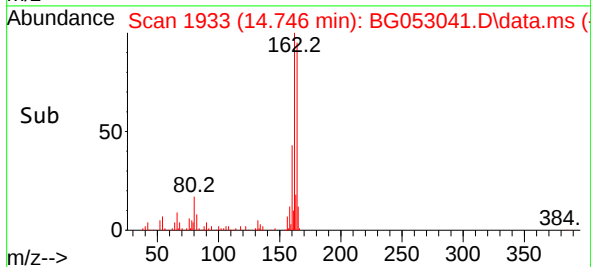
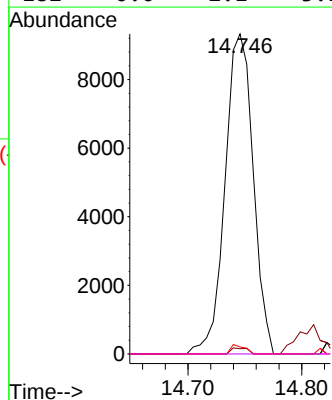
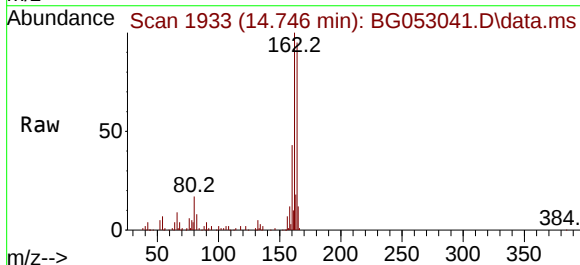
Instrument :
BNA_G
ClientSampleId :
A01015

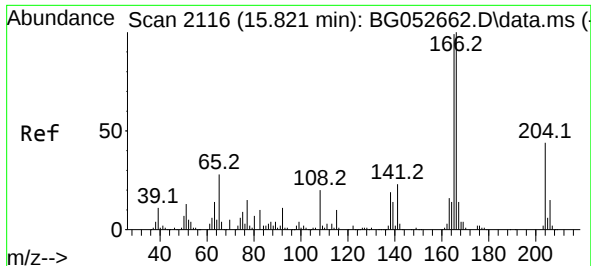
Tgt Ion:139 Resp: 7660
Ion Ratio Lower Upper
139 100
109 0.0 67.1 107.1#
65 2.9 88.2 128.2#



#57
2,4-Dinitrotoluene
Concen: 7.802 ng
RT: 14.746 min Scan# 1933
Delta R.T. -0.367 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

Tgt Ion:165 Resp: 16017
Ion Ratio Lower Upper
165 100
63 1.6 34.8 52.2#
89 2.2 57.4 86.0#
182 0.0 2.1 3.1#

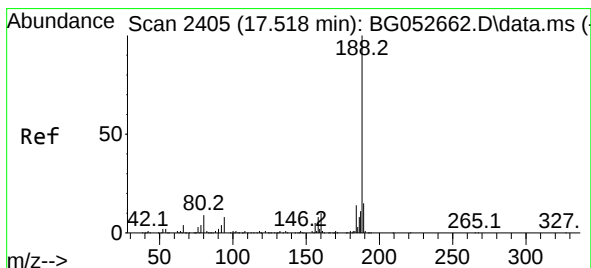
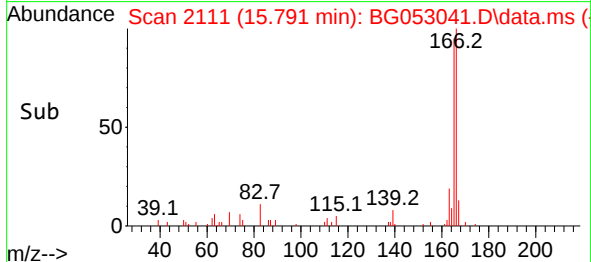
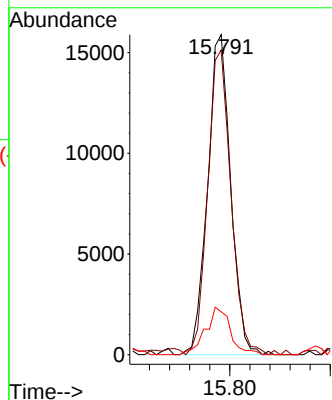
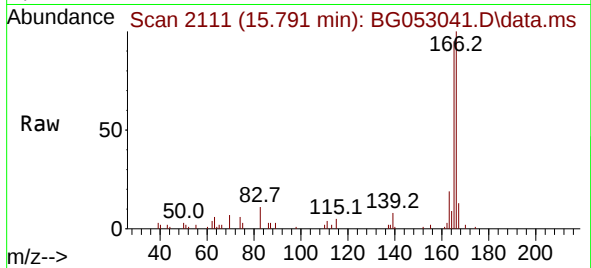




#58
 Fluorene
 Concen: 2.879 ng
 RT: 15.791 min Scan# 2111
 Delta R.T. -0.015 min
 Lab File: BG053041.D
 Acq: 5 Apr 2022 21:08

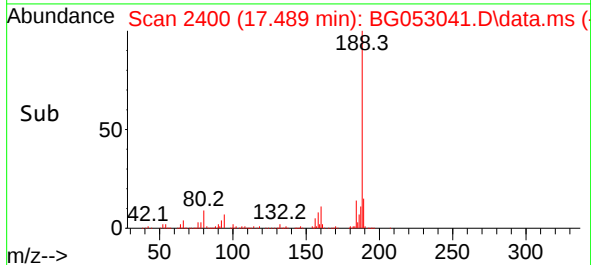
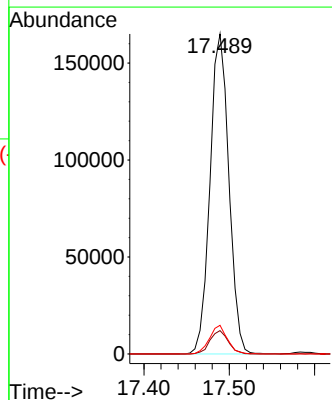
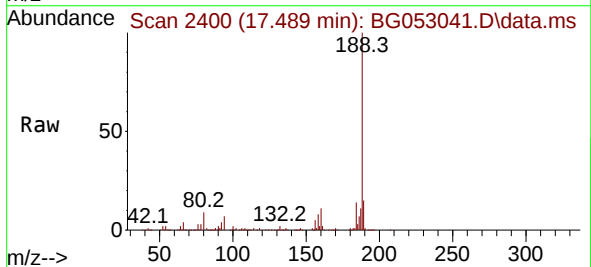
Instrument :
 BNA_G
 ClientSampleId :
 A01015

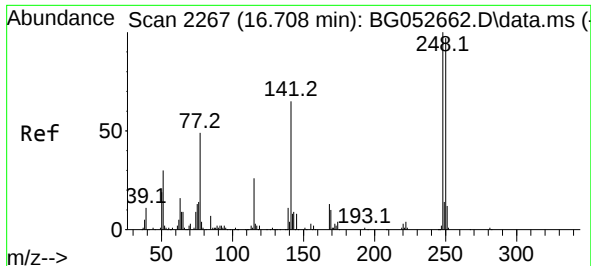
Tgt Ion:166 Resp: 25422
 Ion Ratio Lower Upper
 166 100
 165 95.2 78.6 117.8
 167 13.4 10.9 16.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.489 min Scan# 2400
 Delta R.T. -0.015 min
 Lab File: BG053041.D
 Acq: 5 Apr 2022 21:08

Tgt Ion:188 Resp: 253584
 Ion Ratio Lower Upper
 188 100
 94 7.3 5.7 8.5
 80 8.9 7.2 10.8

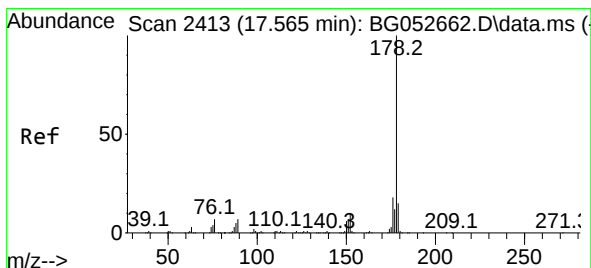
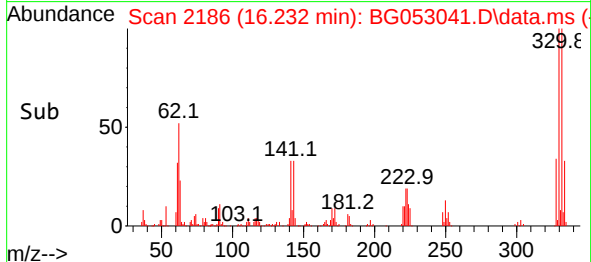
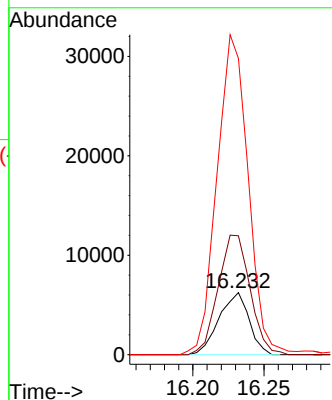
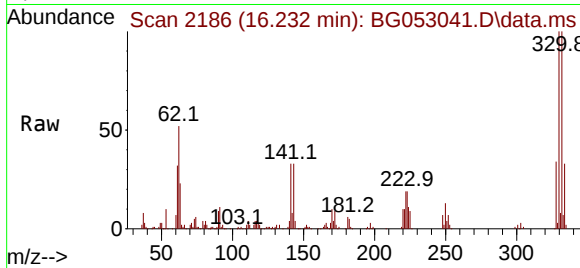




#67
4-Bromophenyl-phenylether
Concen: 2.992 ng
RT: 16.232 min Scan# 21
Delta R.T. -0.461 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

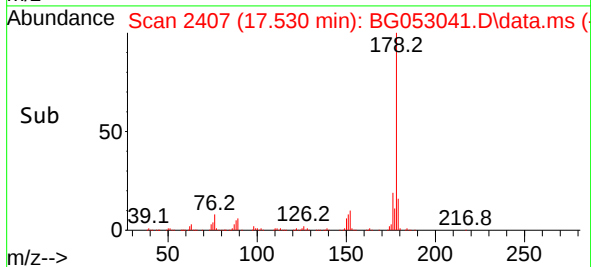
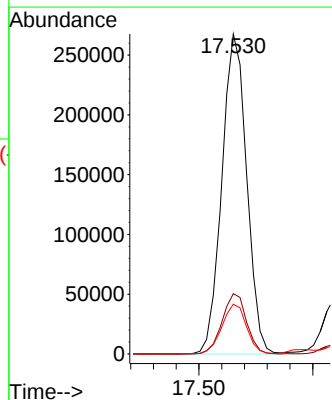
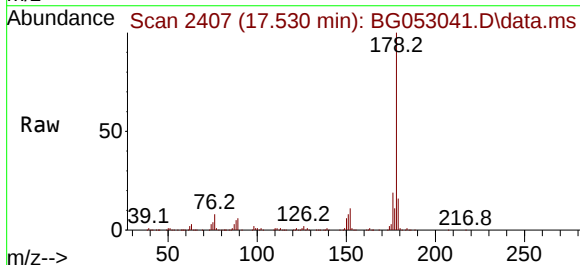
Instrument :
BNA_G
ClientSampleId :
A01015

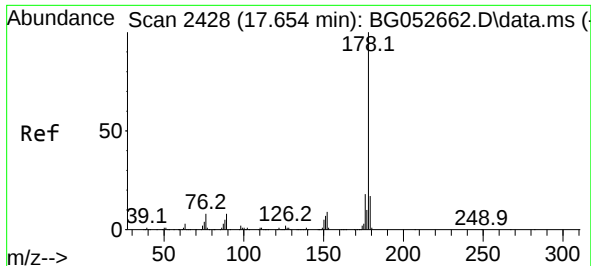
Tgt Ion:248 Resp: 9148
Ion Ratio Lower Upper
248 100
250 191.4 77.9 116.9#
141 476.7 49.2 73.8#



#71
Phenanthrene
Concen: 29.914 ng
RT: 17.530 min Scan# 2407
Delta R.T. -0.021 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

Tgt Ion:178 Resp: 405813
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 15.6 13.4 20.2

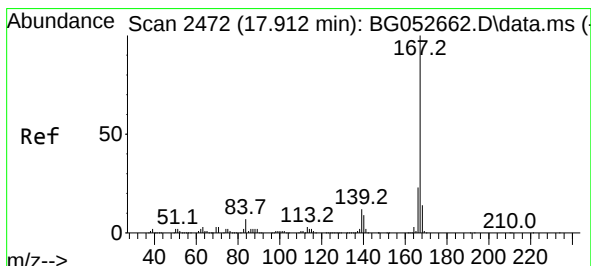
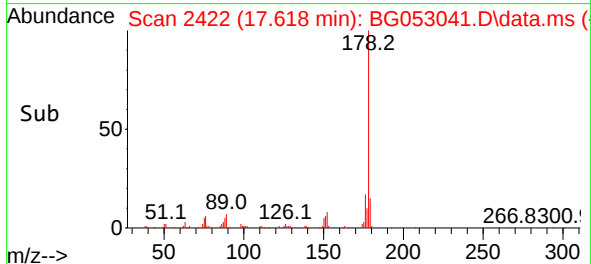
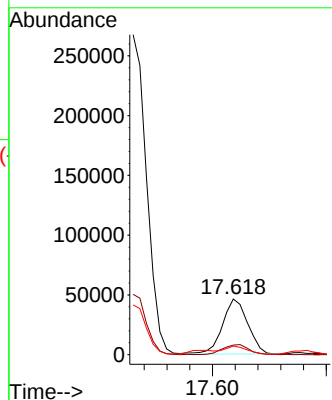
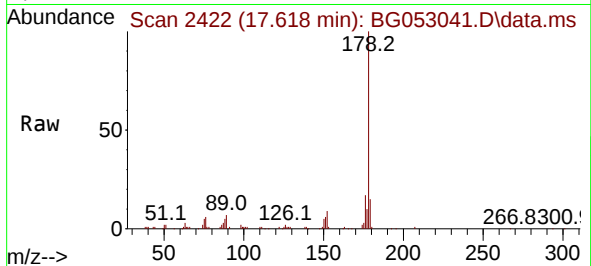




#72
 Anthracene
 Concen: 5.298 ng
 RT: 17.618 min Scan# 2422
 Delta R.T. -0.021 min
 Lab File: BG053041.D
 Acq: 5 Apr 2022 21:08

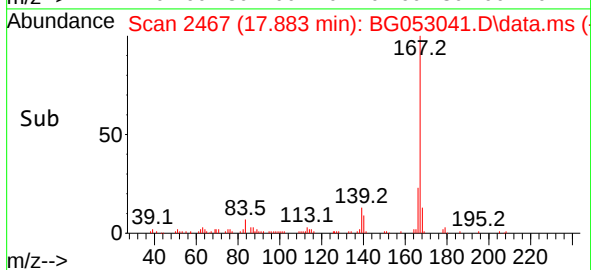
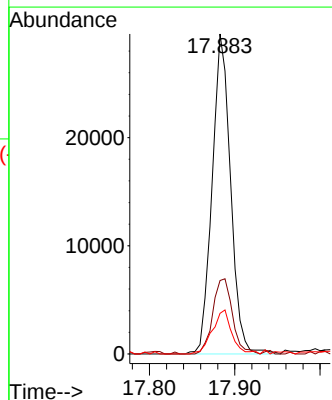
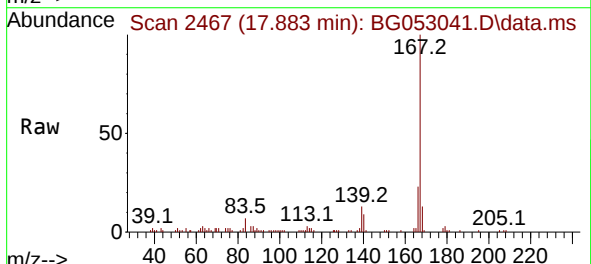
Instrument :
 BNA_G
 ClientSampleId :
 A01015

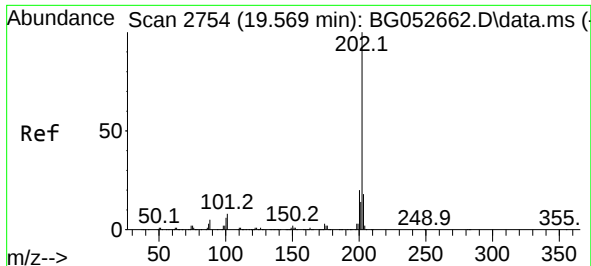
Tgt Ion:178 Resp: 71050
 Ion Ratio Lower Upper
 178 100
 176 17.3 14.7 22.1
 179 15.5 13.2 19.8



#73
 Carbazole
 Concen: 3.350 ng
 RT: 17.883 min Scan# 2467
 Delta R.T. -0.021 min
 Lab File: BG053041.D
 Acq: 5 Apr 2022 21:08

Tgt Ion:167 Resp: 44490
 Ion Ratio Lower Upper
 167 100
 166 23.0 18.5 27.7
 139 12.7 10.0 15.0

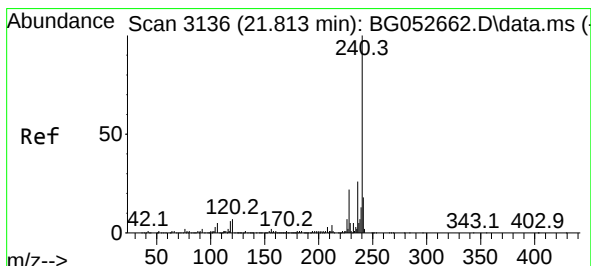
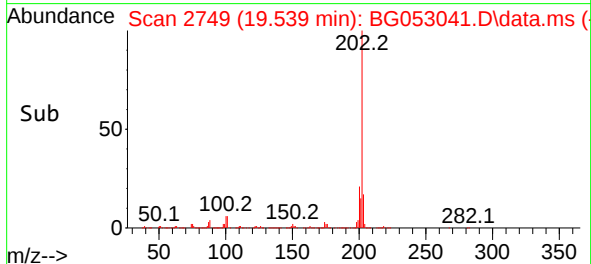
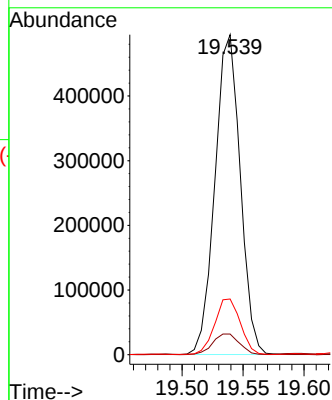
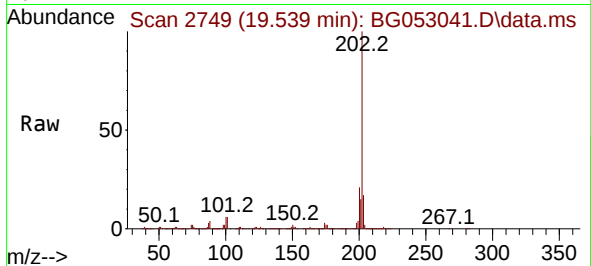




#75
Fluoranthene
Concen: 41.368 ng
RT: 19.539 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

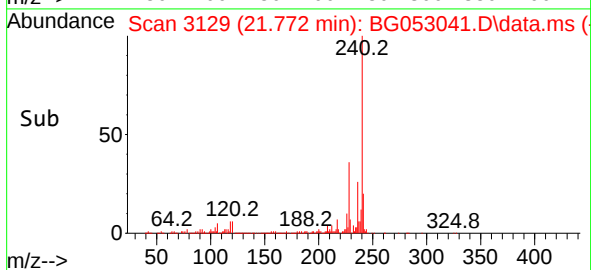
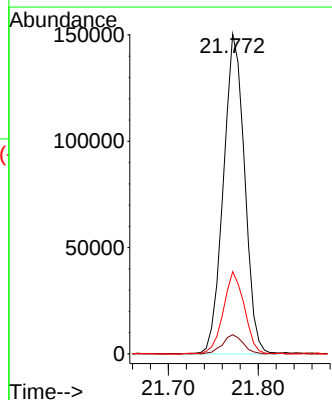
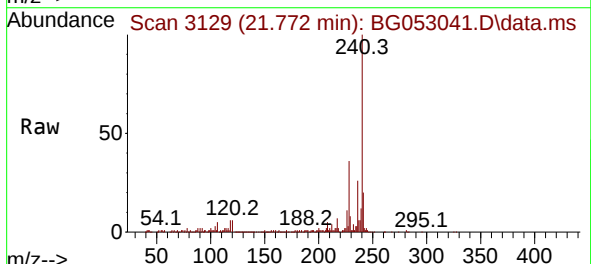
Instrument :
BNA_G
ClientSampleId :
A01015

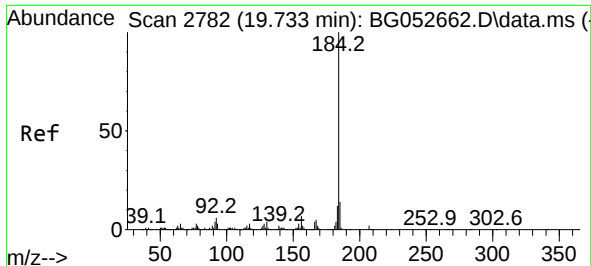
Tgt Ion:202 Resp: 712367
Ion Ratio Lower Upper
202 100
101 6.4 0.0 27.3
203 17.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.772 min Scan# 3129
Delta R.T. -0.027 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

Tgt Ion:240 Resp: 246901
Ion Ratio Lower Upper
240 100
120 6.0 5.4 8.0
236 25.7 19.8 29.6

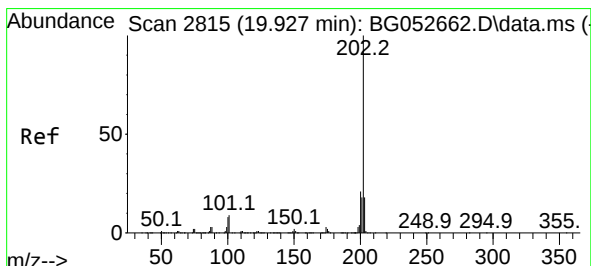
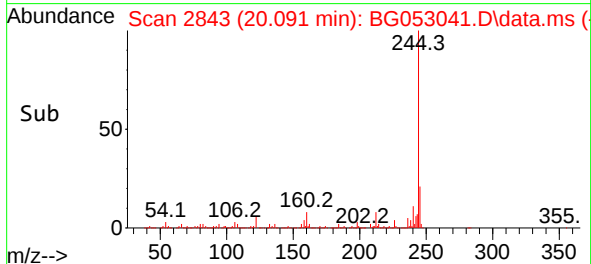
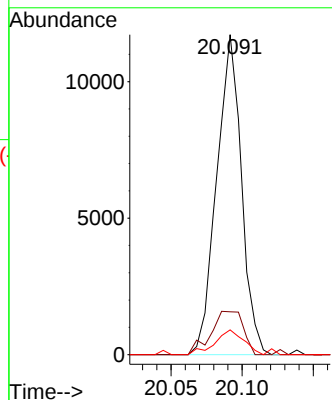
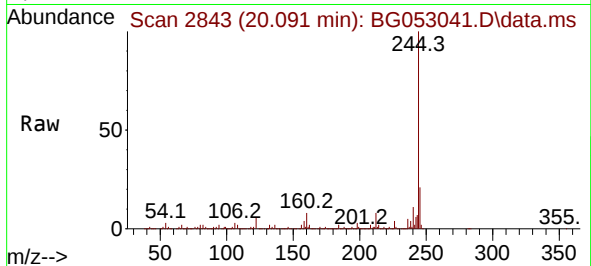




#77
Benzidine
Concen: 2.225 ng
RT: 20.091 min Scan# 21
Delta R.T. 0.367 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

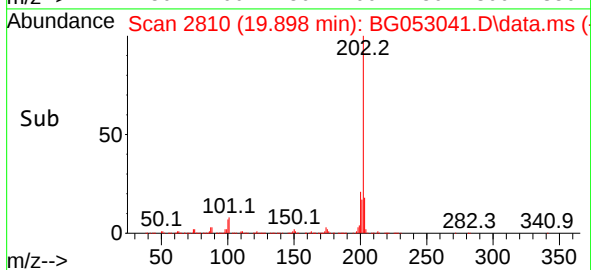
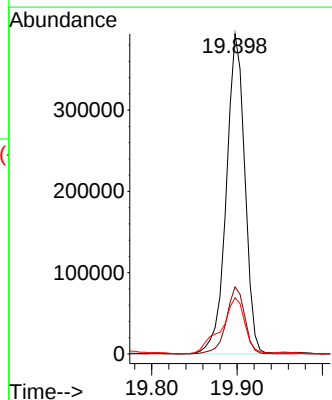
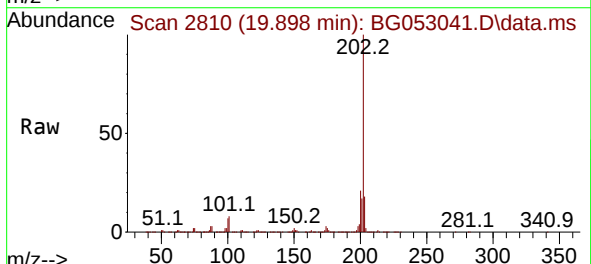
Instrument :
BNA_G
ClientSampleId :
A01015

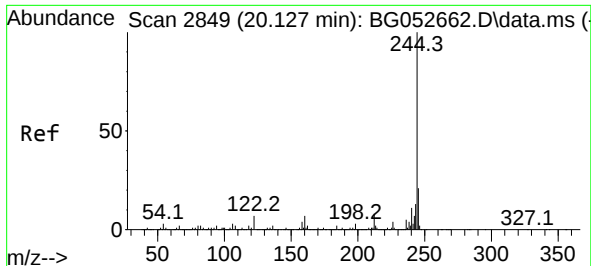
Tgt Ion:184 Resp: 14170
Ion Ratio Lower Upper
184 100
185 13.4 11.5 17.3
183 7.8 9.4 14.2#



#78
Pyrene
Concen: 34.574 ng
RT: 19.898 min Scan# 2810
Delta R.T. -0.021 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

Tgt Ion:202 Resp: 592144
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.6
203 17.6 15.0 22.6

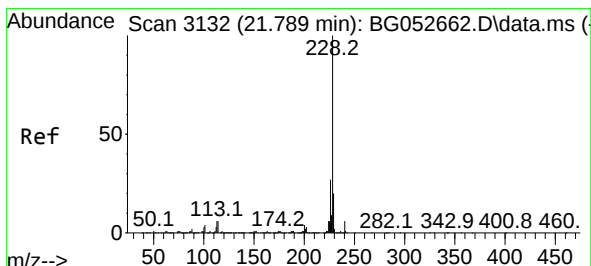
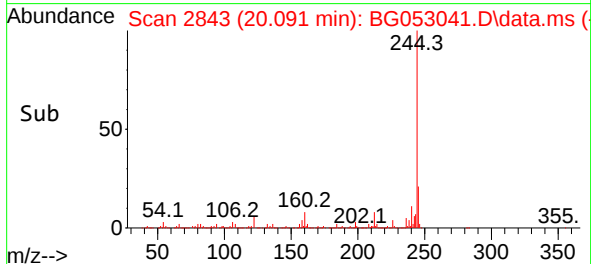
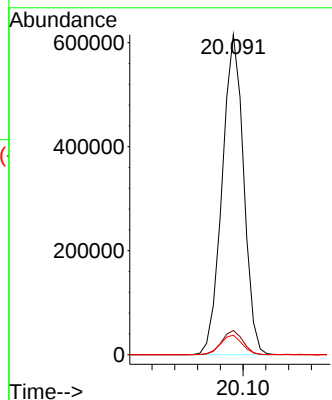
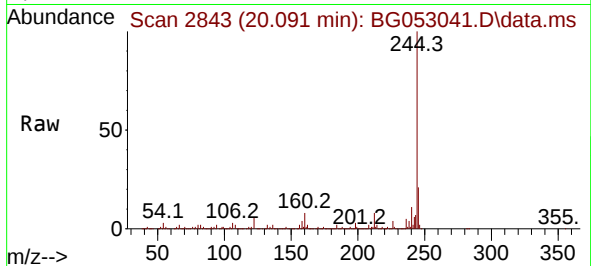




#79
 Terphenyl-d14
 Concen: 58.068 ng
 RT: 20.091 min Scan# 21
 Delta R.T. -0.021 min
 Lab File: BG053041.D
 Acq: 5 Apr 2022 21:08

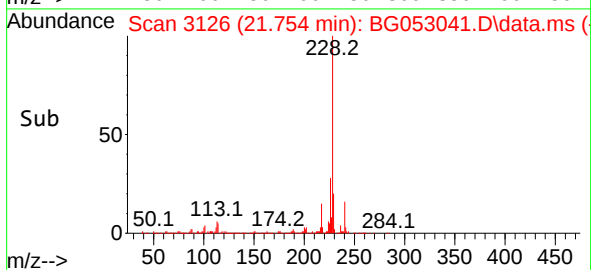
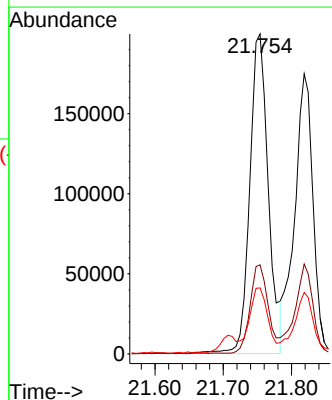
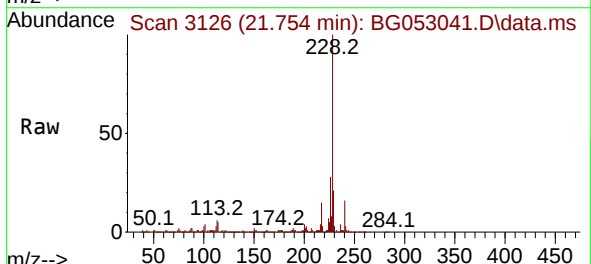
Instrument :
 BNA_G
 ClientSampleId :
 A01015

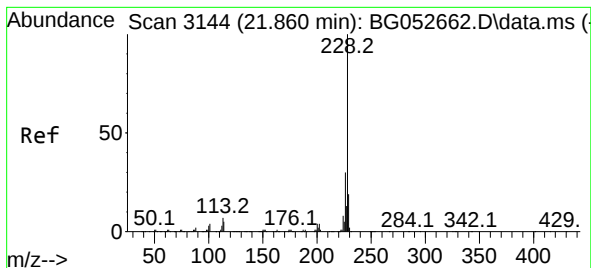
Tgt Ion:244 Resp: 805969
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.4 8.2
 122 6.1 5.8 8.6



#81
 Benzo(a)anthracene
 Concen: 22.644 ng
 RT: 21.754 min Scan# 3126
 Delta R.T. -0.021 min
 Lab File: BG053041.D
 Acq: 5 Apr 2022 21:08

Tgt Ion:228 Resp: 374370
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.4 32.0
 229 20.6 16.7 25.1





#83

Chrysene

Concen: 21.154 ng

RT: 21.819 min Scan# 3144

Delta R.T. -0.027 min

Lab File: BG053041.D

Acq: 5 Apr 2022 21:08

Instrument :

BNA_G

ClientSampleId :

A01015

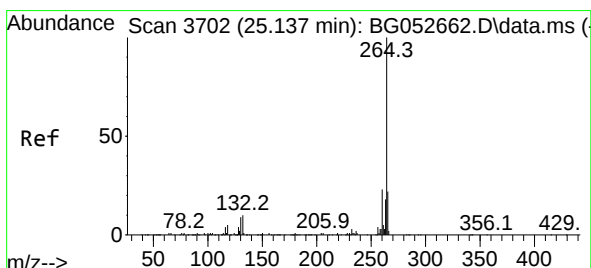
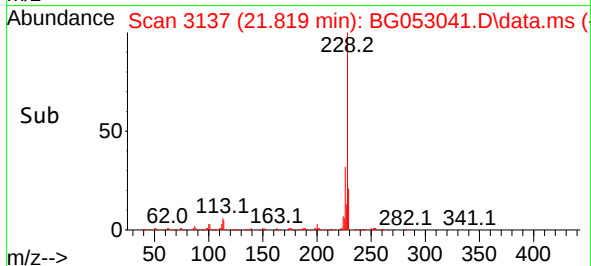
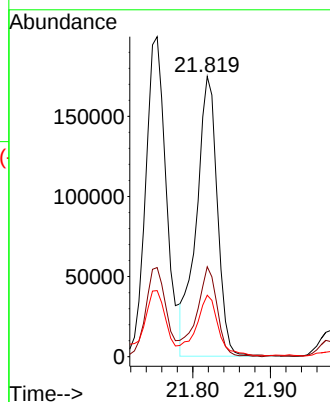
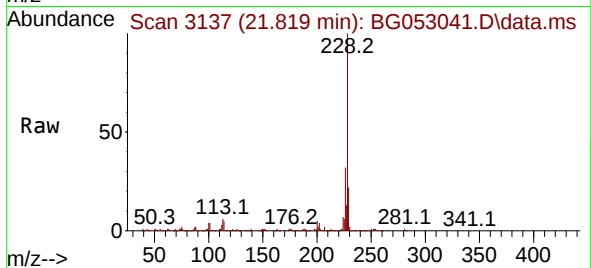
Tgt Ion:228 Resp: 328793

Ion Ratio Lower Upper

228 100

226 32.1 24.2 36.4

229 21.9 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.073 min Scan# 3691

Delta R.T. -0.038 min

Lab File: BG053041.D

Acq: 5 Apr 2022 21:08

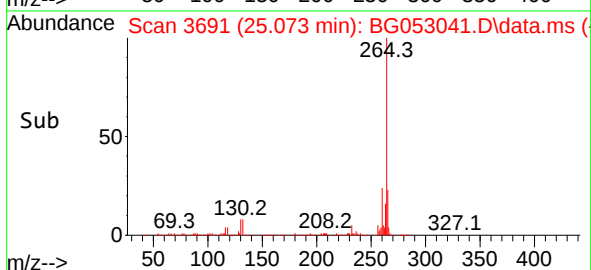
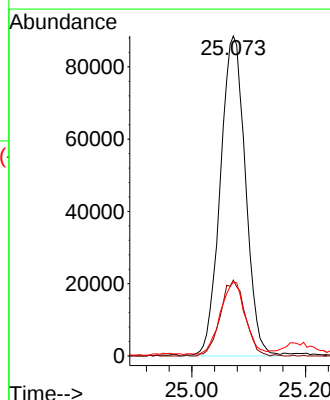
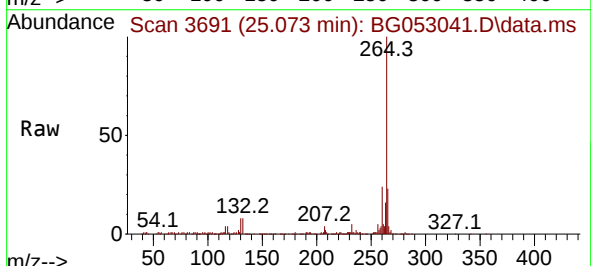
Tgt Ion:264 Resp: 271021

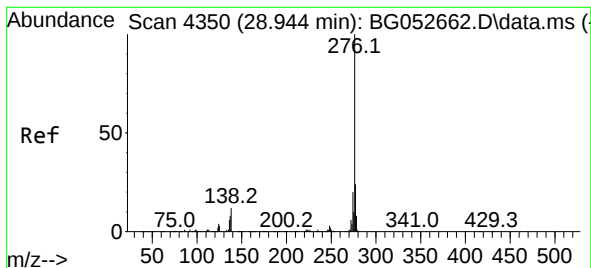
Ion Ratio Lower Upper

264 100

260 23.7 18.2 27.2

265 23.1 15.1 22.7#





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.860 ng

RT: 28.833 min Scan# 41

Delta R.T. -0.068 min

Lab File: BG053041.D

Acq: 5 Apr 2022 21:08

Instrument :

BNA_G

ClientSampleId :

A01015

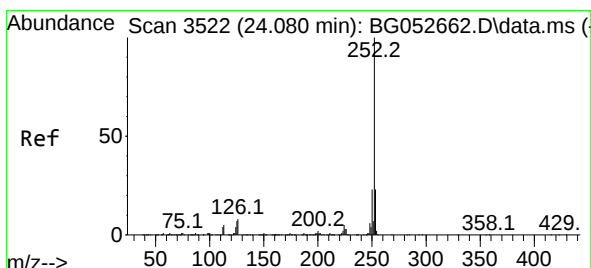
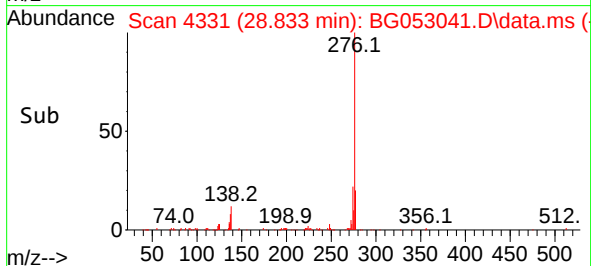
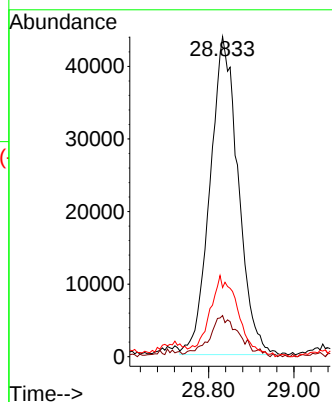
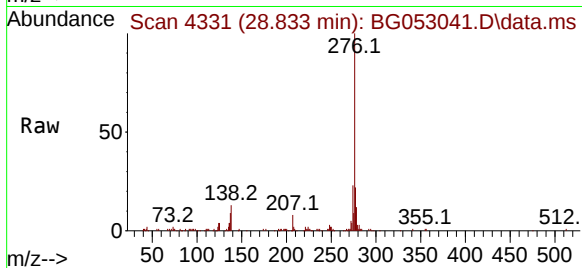
Tgt Ion:276 Resp: 201459

Ion Ratio Lower Upper

276 100

138 11.6 8.7 13.1

277 26.0 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 25.740 ng

RT: 24.027 min Scan# 3513

Delta R.T. -0.027 min

Lab File: BG053041.D

Acq: 5 Apr 2022 21:08

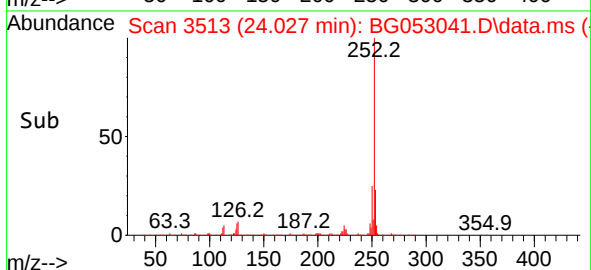
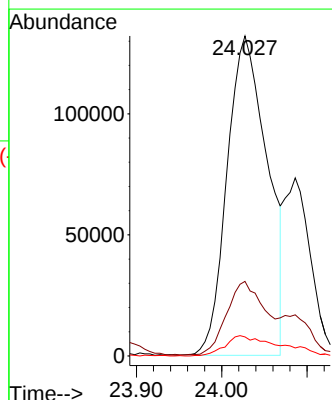
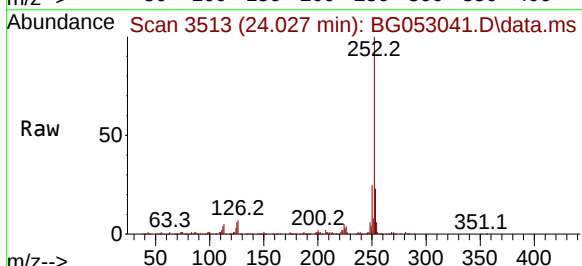
Tgt Ion:252 Resp: 433156

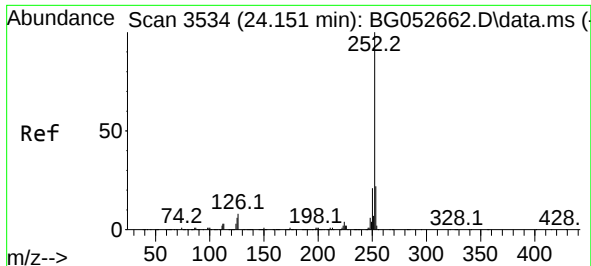
Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

125 6.0 5.2 7.8





#89

Benzo(k)fluoranthene

Concen: 26.162 ng

RT: 24.027 min Scan# 31

Delta R.T. -0.103 min

Lab File: BG053041.D

Acq: 5 Apr 2022 21:08

Instrument :

BNA_G

ClientSampleId :

A01015

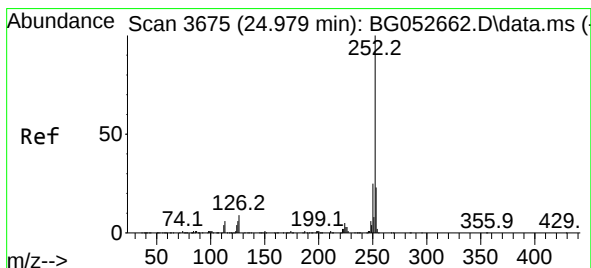
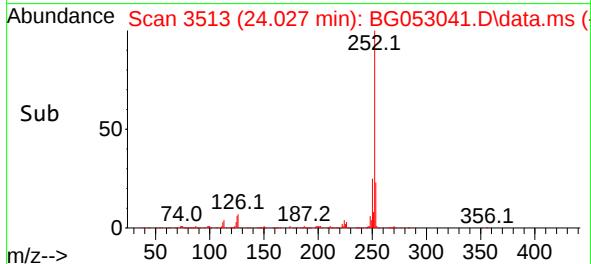
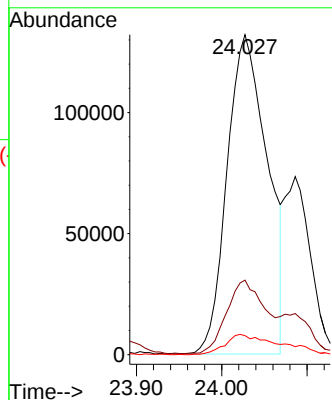
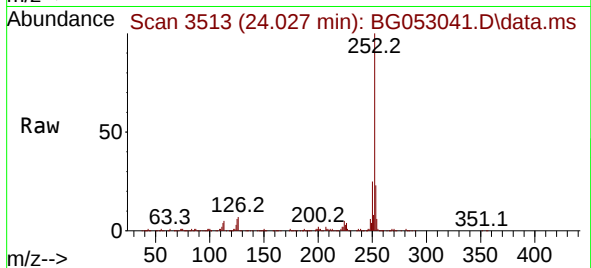
Tgt Ion:252 Resp: 433156

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

125 6.0 5.0 7.4



#90

Benzo(a)pyrene

Concen: 20.972 ng

RT: 24.914 min Scan# 3664

Delta R.T. -0.038 min

Lab File: BG053041.D

Acq: 5 Apr 2022 21:08

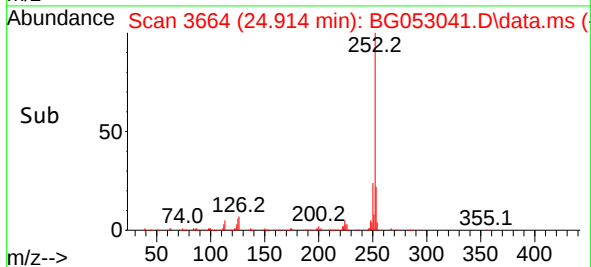
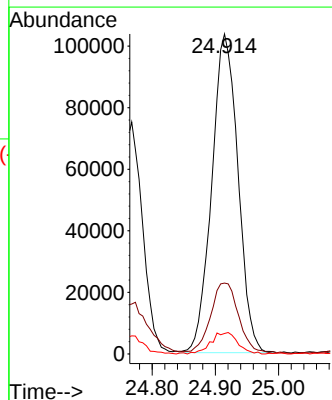
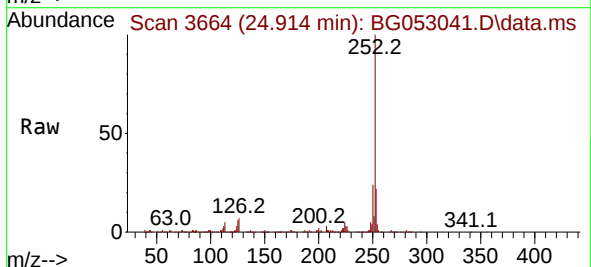
Tgt Ion:252 Resp: 298730

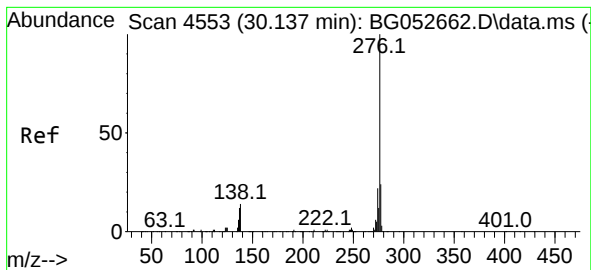
Ion Ratio Lower Upper

252 100

253 22.2 18.4 27.6

125 6.4 5.6 8.4





#92
 Benzo(g,h,i)perylene
 Concen: 12.092 ng
 RT: 30.013 min Scan# 4
 Delta R.T. -0.080 min
 Lab File: BG053041.D
 Acq: 5 Apr 2022 21:08

Instrument :
 BNA_G
 ClientSampleId :
 A01015

Tgt Ion:276 Resp: 182886
 Ion Ratio Lower Upper
 276 100
 277 22.8 18.2 27.2
 138 13.0 9.1 13.7

