

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
 Data File : BG051078.D
 Acq On : 16 Nov 2021 22:40
 Operator : CG/JU
 Sample : M4687-01RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VWE-B35-111221-0-10RE

Quant Time: Nov 17 00:43:36 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 03:55:35 2021
 Response via : Initial Calibration

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

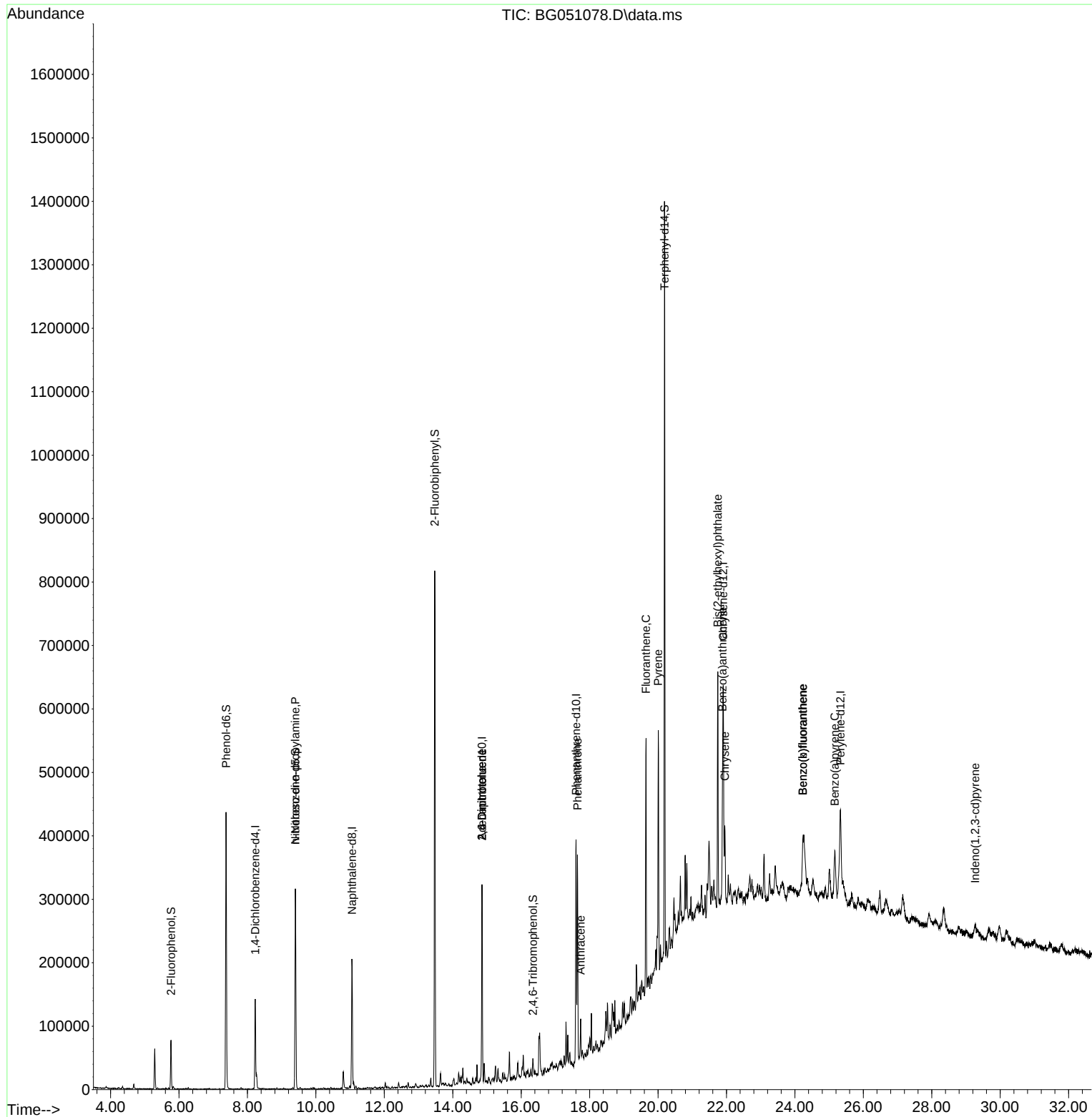
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.226	152	39917	20.000	ng	0.00
21) Naphthalene-d8	11.053	136	173707	20.000	ng	# 0.00
39) Acenaphthene-d10	14.854	164	112552	20.000	ng	0.00
64) Phenanthrene-d10	17.604	188	222638	20.000	ng	# 0.00
76) Chrysene-d12	21.904	240	185315	20.000	ng	# 0.00
86) Perylene-d12	25.330	264	180383	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.765	112	34101	12.779	ng	0.00
7) Phenol-d6	7.374	99	257293	68.314	ng	0.00
23) Nitrobenzene-d5	9.402	82	209015	53.264	ng	0.00
42) 2,4,6-Tribromophenol	16.346	330	2720	2.415	ng	0.00
45) 2-Fluorobiphenyl	13.473	172	419353	58.870	ng	0.00
79) Terphenyl-d14	20.189	244	537504	53.073	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.402	70	28828	10.357	ng	# 65
51) 2,6-Dinitrotoluene	14.854	165	15635	8.578	ng	# 11
57) 2,4-Dinitrotoluene	14.854	165	15635	6.046	ng	# 17
71) Phenanthrene	17.645	178	187742	15.809	ng	97
72) Anthracene	17.739	178	41266	3.494	ng	99
75) Fluoranthene	19.648	202	259380	17.803	ng	95
78) Pyrene	20.007	202	244188	17.565	ng	98
81) Benzo(a)anthracene	21.887	228	106261	8.351	ng	96
83) Chrysene	21.951	228	95893	7.989	ng	# 94
84) Bis(2-ethylhexyl)phtha...	21.746	149	148910	17.697	ng	100
87) Indeno(1,2,3-cd)pyrene	29.266	276	38600	3.015	ng	# 85
88) Benzo(b)fluoranthene	24.231	252	116921	10.297	ng	# 82
89) Benzo(k)fluoranthene	24.231	252	116697	10.305	ng	# 87
90) Benzo(a)pyrene	25.165	252	85115	8.781	ng	# 82

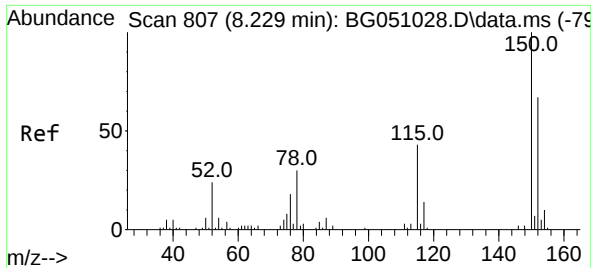
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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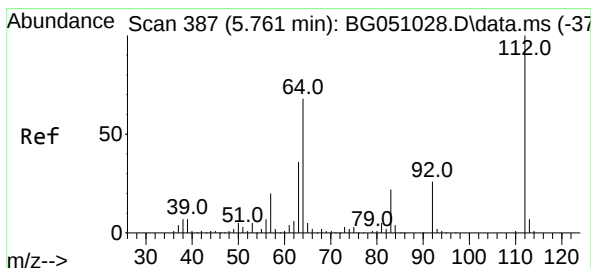
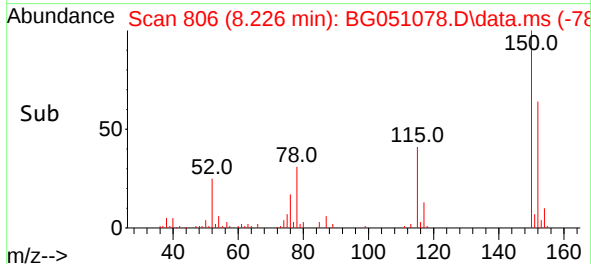
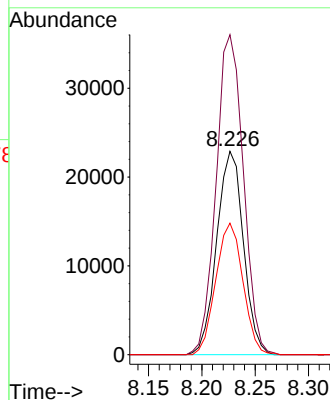
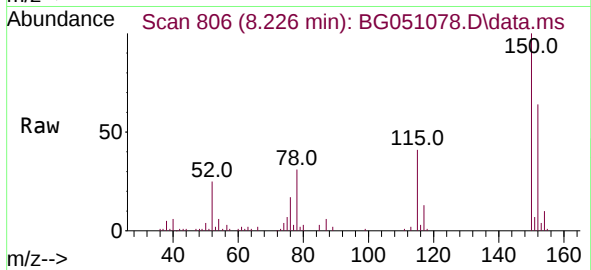




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.226 min Scan# 807
Delta R.T. -0.003 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

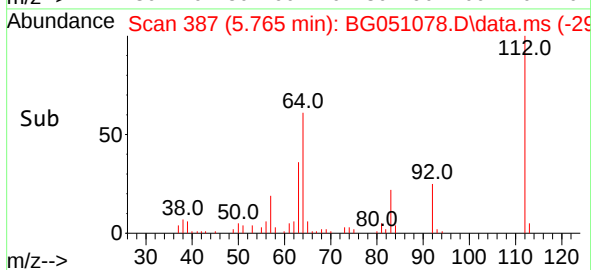
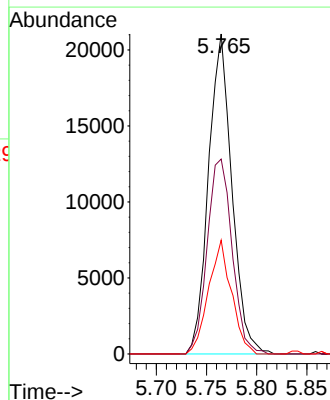
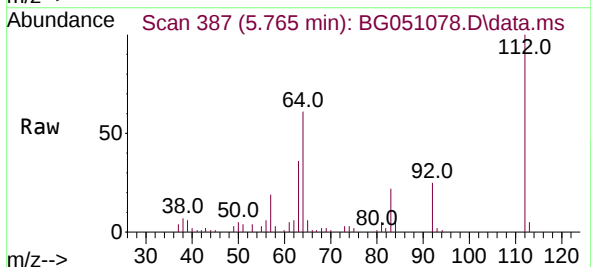
Instrument :
BNA_G
ClientSampleId :
VWE-B35-111221-0-10RE

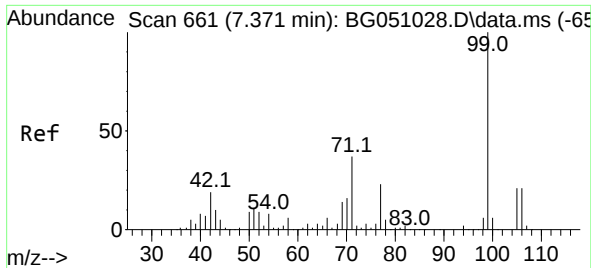
Tgt Ion:152 Resp: 39917
Ion Ratio Lower Upper
152 100
150 157.3 119.4 179.0
115 64.7 60.2 90.4



#5
2-Fluorophenol
Concen: 12.779 ng
RT: 5.765 min Scan# 387
Delta R.T. 0.004 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

Tgt Ion:112 Resp: 34101
Ion Ratio Lower Upper
112 100
64 60.9 46.7 70.1
63 35.5 35.3 52.9

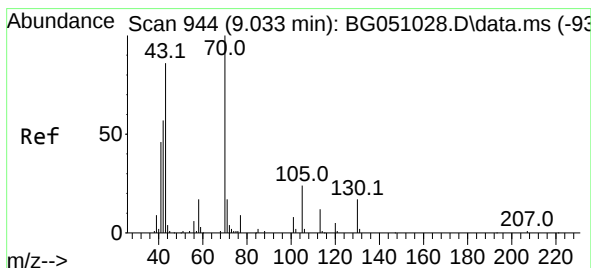
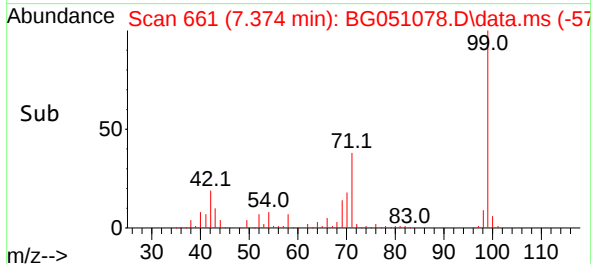
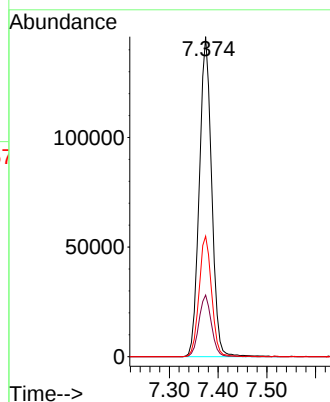
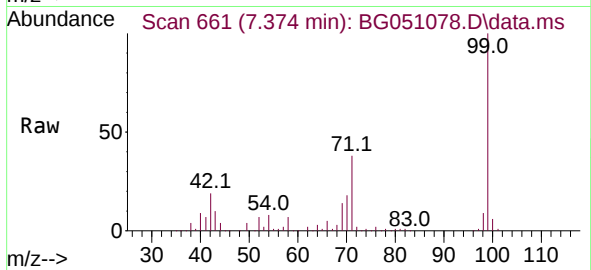




#7
Phenol-d6
Concen: 68.314 ng
RT: 7.374 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

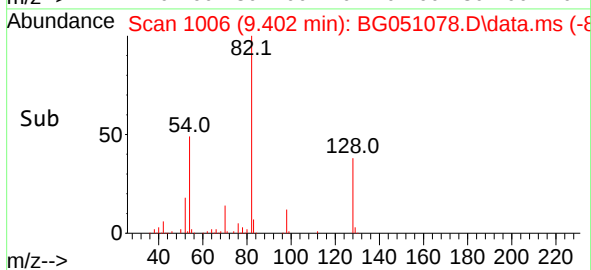
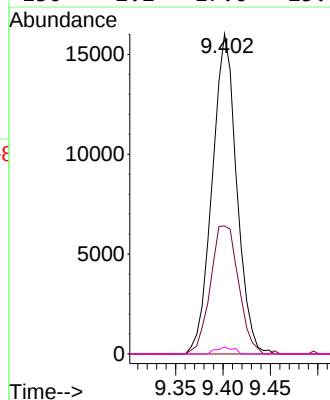
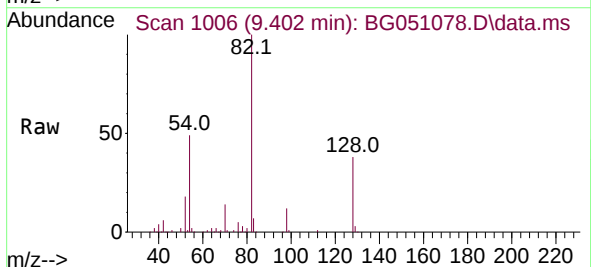
Instrument :
BNA_G
ClientSampleId :
VWE-B35-111221-0-10RE

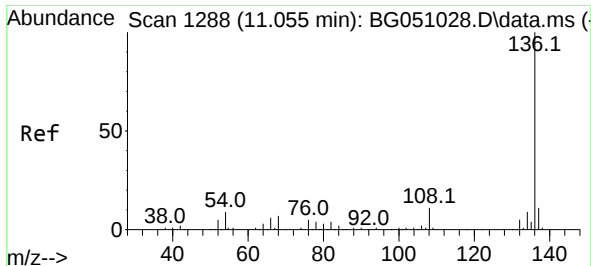
Tgt Ion: 99 Resp: 257293
Ion Ratio Lower Upper
99 100
42 19.2 20.5 30.7#
71 37.7 41.5 62.3#



#19
n-Nitroso-di-n-propylamine
Concen: 10.357 ng
RT: 9.402 min Scan# 1006
Delta R.T. 0.368 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

Tgt Ion: 70 Resp: 28828
Ion Ratio Lower Upper
70 100
42 40.0 54.5 81.7#
101 0.0 9.0 13.6#
130 2.2 17.0 25.6#

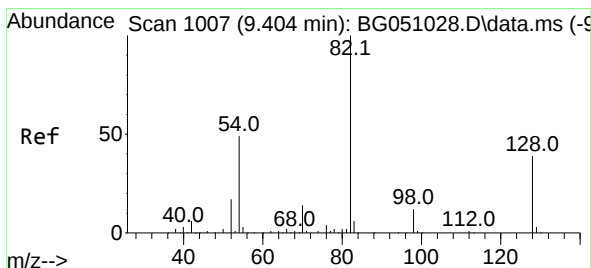
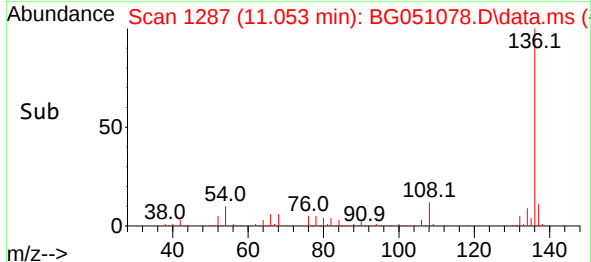
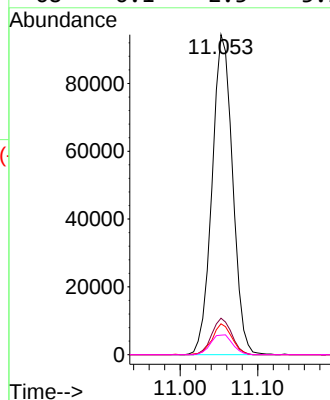
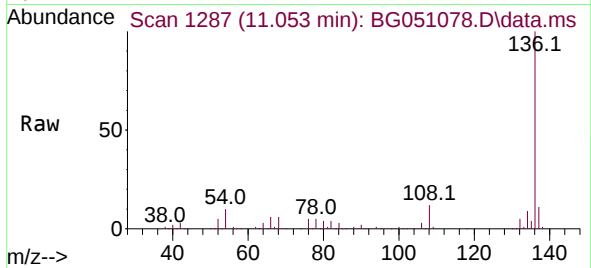




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.053 min Scan# 1106
Delta R.T. -0.002 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

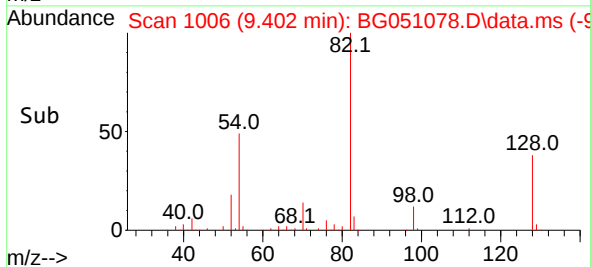
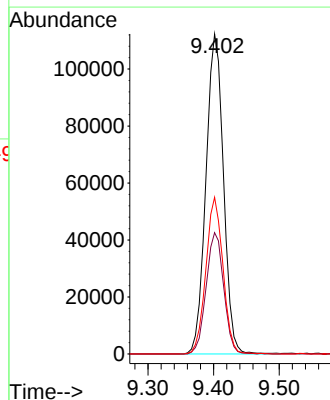
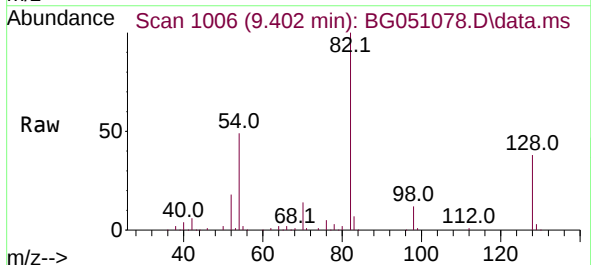
Instrument :
BNA_G
ClientSampleId :
VWE-B35-111221-0-10RE

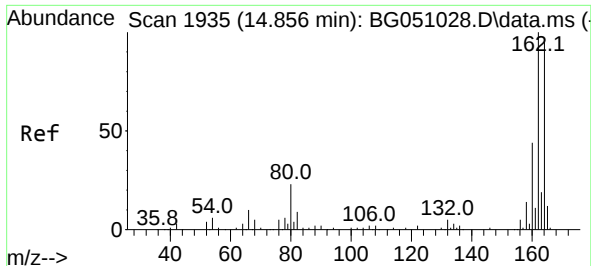
Tgt Ion:	136	Resp:	173707
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.2	12.2
54	9.7	5.5	8.3#
68	6.1	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 53.264 ng
RT: 9.402 min Scan# 1006
Delta R.T. -0.002 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

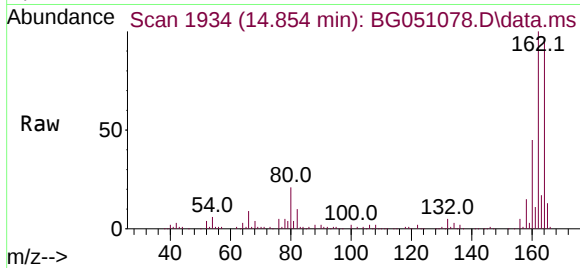
Tgt Ion:	82	Resp:	209015
Ion Ratio	Lower	Upper	
82	100		
128	37.9	29.8	44.6
54	49.0	45.8	68.8



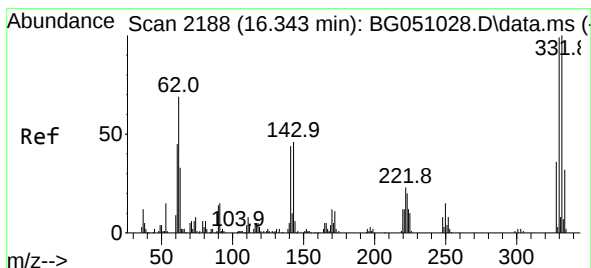
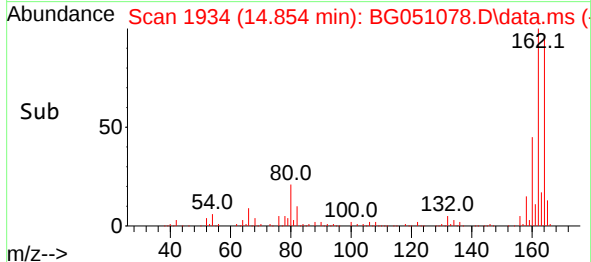
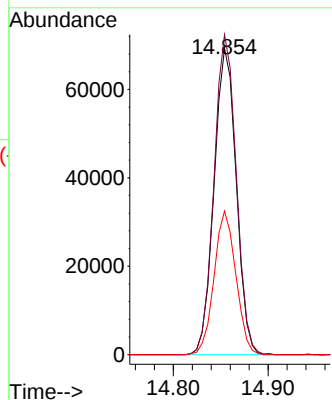


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.854 min Scan# 1934
Delta R.T. -0.002 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

Instrument :
BNA_G
ClientSampleId :
VWE-B35-111221-0-10RE

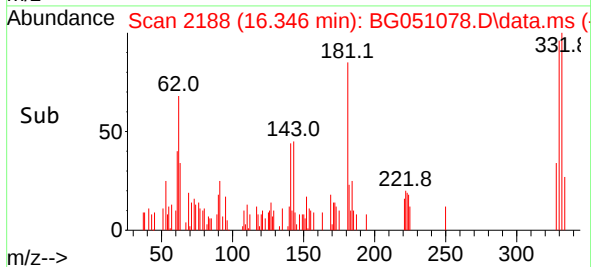
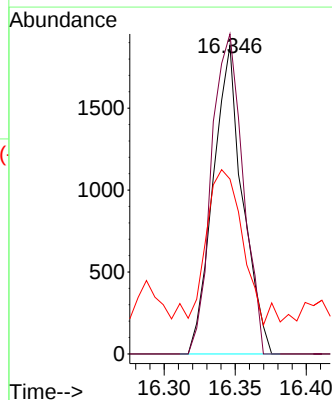
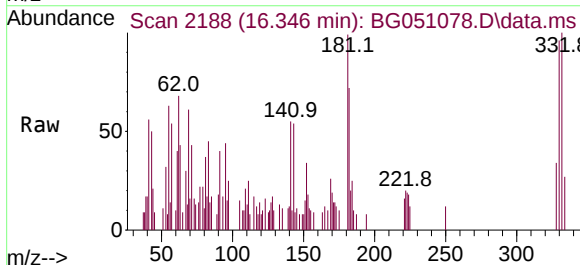


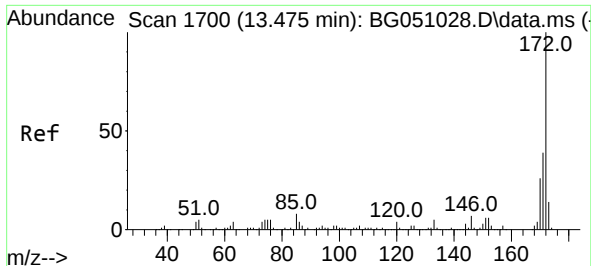
Tgt Ion:164 Resp: 112552
Ion Ratio Lower Upper
164 100
162 104.4 81.4 122.0
160 46.9 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 2.415 ng
RT: 16.346 min Scan# 2188
Delta R.T. 0.003 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

Tgt Ion:330 Resp: 2720
Ion Ratio Lower Upper
330 100
332 110.0 77.3 115.9
141 85.1 35.6 53.4#

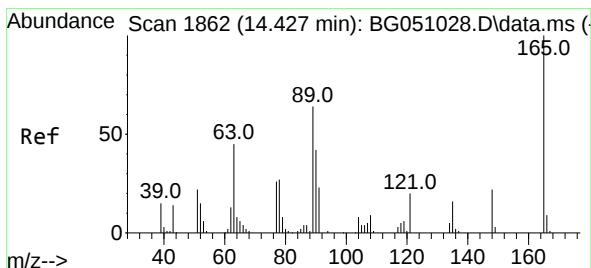
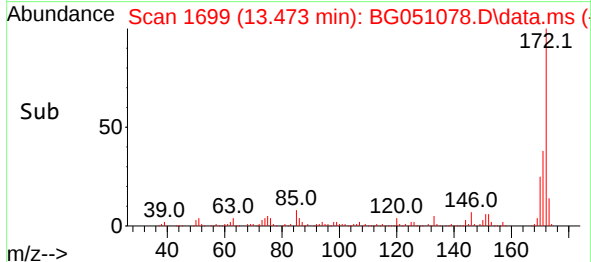
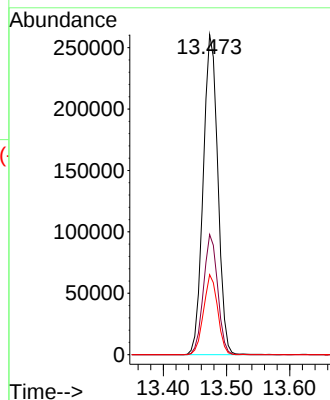
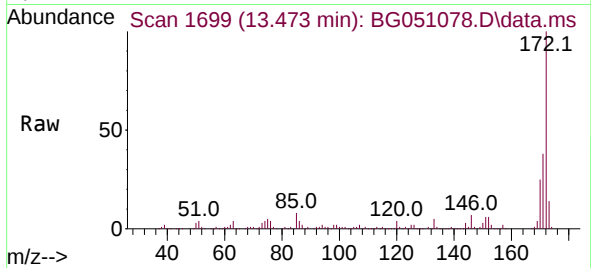




#45
2-Fluorobiphenyl
Concen: 58.870 ng
RT: 13.473 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

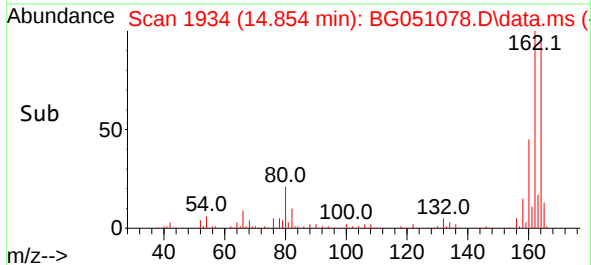
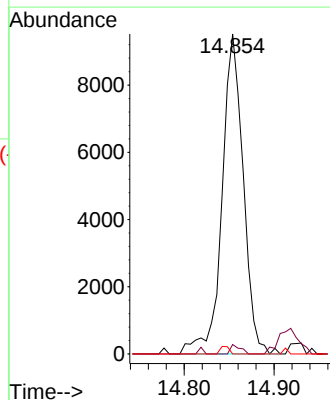
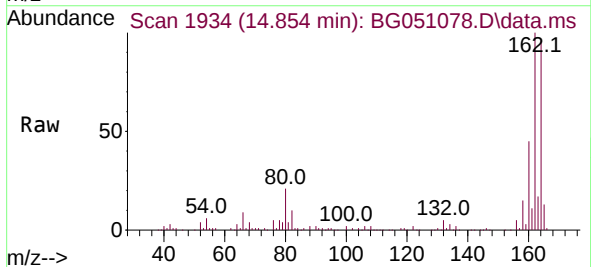
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ClientSampleId :
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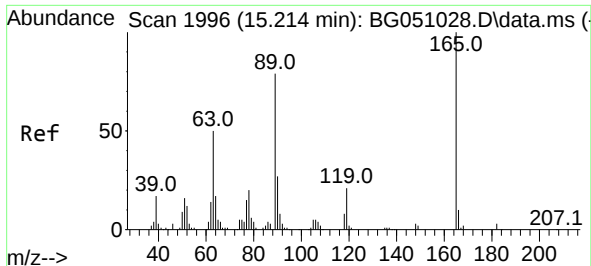
Tgt Ion:172 Resp: 419353
Ion Ratio Lower Upper
172 100
171 37.5 28.6 43.0
170 25.0 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.578 ng
RT: 14.854 min Scan# 1934
Delta R.T. 0.427 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

Tgt Ion:165 Resp: 15635
Ion Ratio Lower Upper
165 100
63 2.9 63.3 94.9#
89 0.0 63.4 95.0#





#57

2,4-Dinitrotoluene

Concen: 6.046 ng

RT: 14.854 min Scan# 1996

Delta R.T. -0.361 min

Lab File: BG051078.D

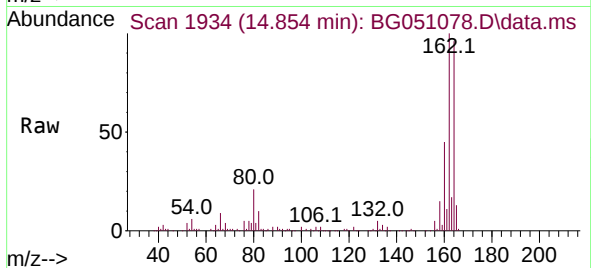
Acq: 16 Nov 2021 22:40

Instrument :

BNA_G

ClientSampleId :

VWE-B35-111221-0-10RE



Tgt Ion:165 Resp: 15635

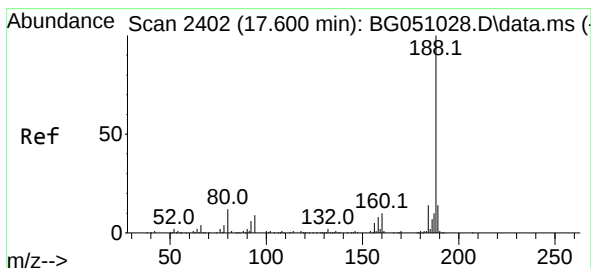
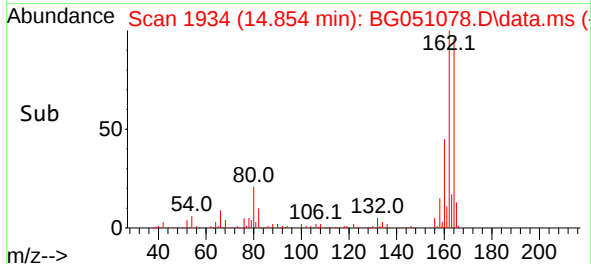
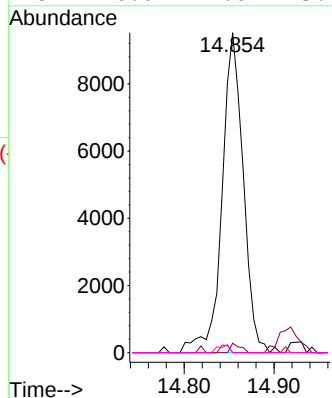
Ion Ratio Lower Upper

165 100

63 2.9 48.0 72.0#

89 0.0 65.4 98.0#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.604 min Scan# 2402

Delta R.T. 0.004 min

Lab File: BG051078.D

Acq: 16 Nov 2021 22:40

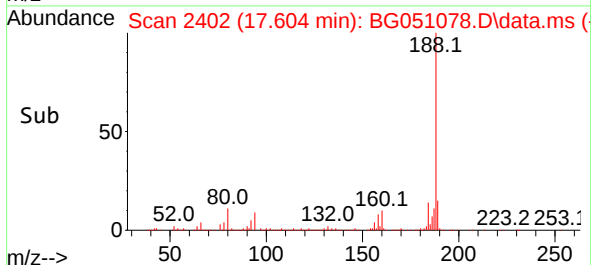
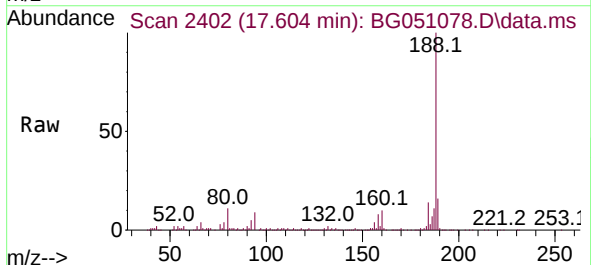
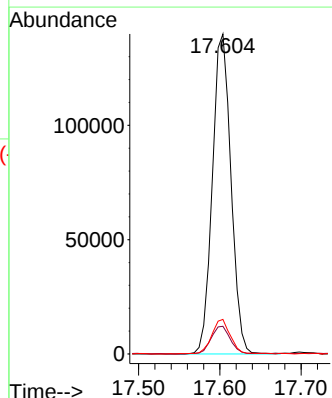
Tgt Ion:188 Resp: 222638

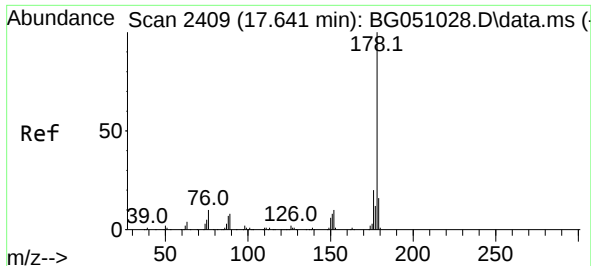
Ion Ratio Lower Upper

188 100

94 8.6 5.4 8.0#

80 10.8 3.7 5.5#

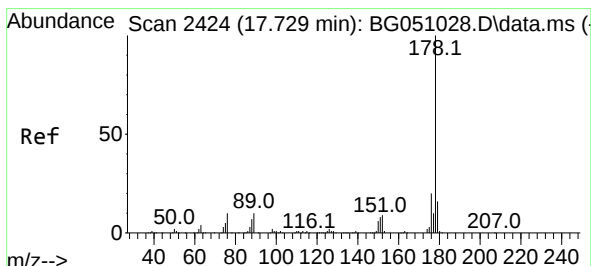
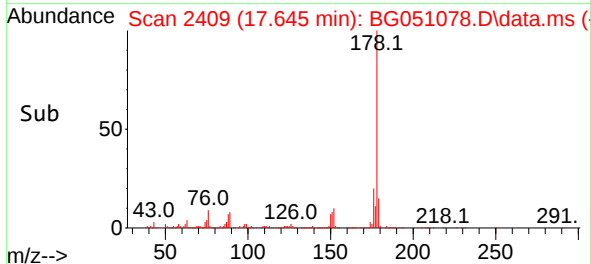
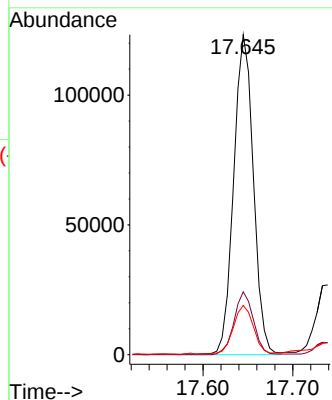
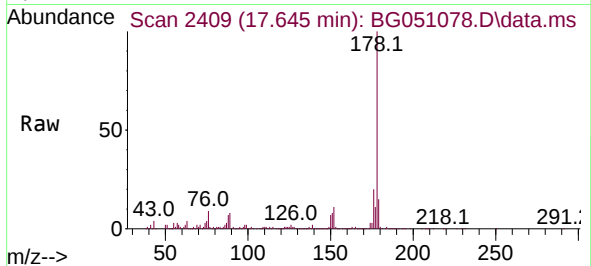




#71
Phenanthrene
Concen: 15.809 ng
RT: 17.645 min Scan# 2409
Delta R.T. 0.004 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

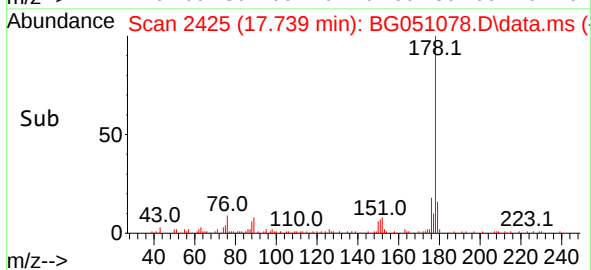
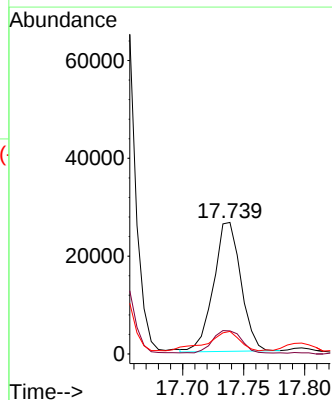
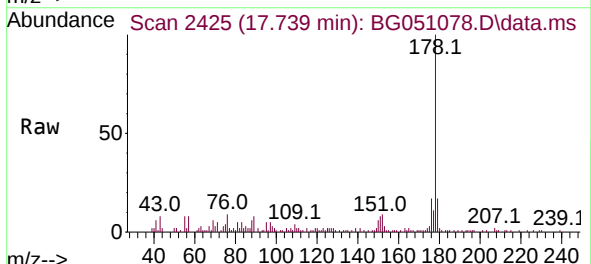
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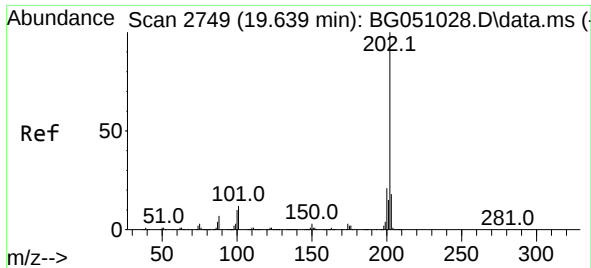
Tgt Ion:178 Resp: 187742
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.4 14.2 21.4



#72
Anthracene
Concen: 3.494 ng
RT: 17.739 min Scan# 2425
Delta R.T. 0.010 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

Tgt Ion:178 Resp: 41266
Ion Ratio Lower Upper
178 100
176 17.5 14.6 21.8
179 17.1 13.4 20.0

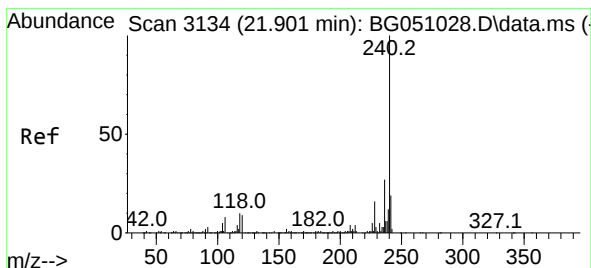
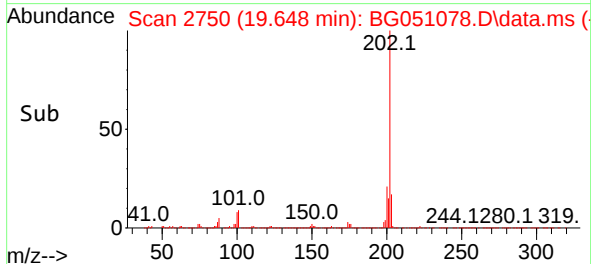
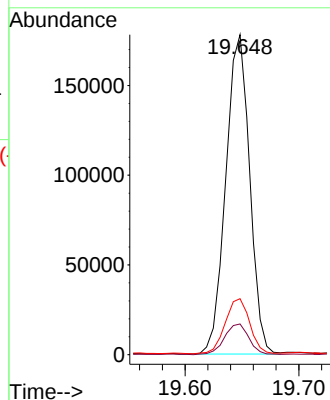
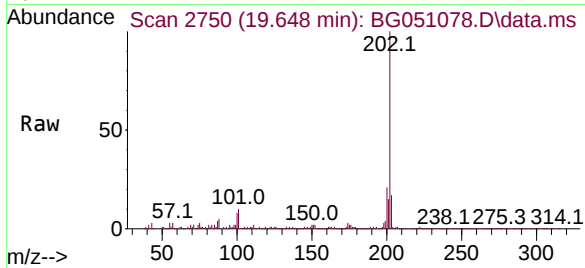




#75
Fluoranthene
Concen: 17.803 ng
RT: 19.648 min Scan# 21
Delta R.T. 0.009 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

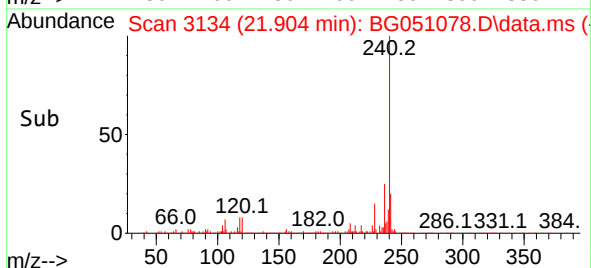
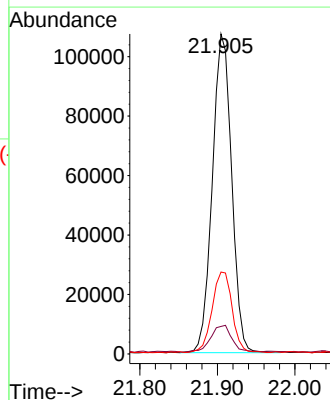
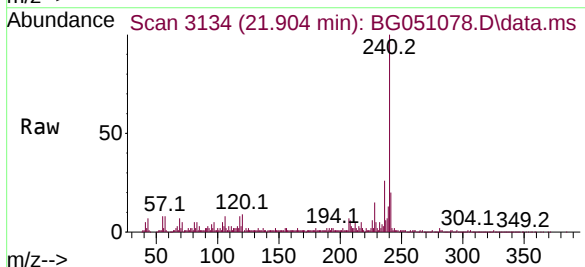
Instrument :
BNA_G
ClientSampleId :
VWE-B35-111221-0-10RE

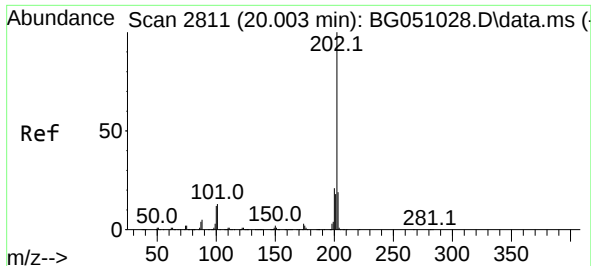
Tgt Ion:202 Resp: 259380
Ion Ratio Lower Upper
202 100
101 9.6 0.0 24.7
203 17.5 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.904 min Scan# 3134
Delta R.T. 0.004 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

Tgt Ion:240 Resp: 185315
Ion Ratio Lower Upper
240 100
120 8.6 4.2 6.2#
236 25.6 21.8 32.6

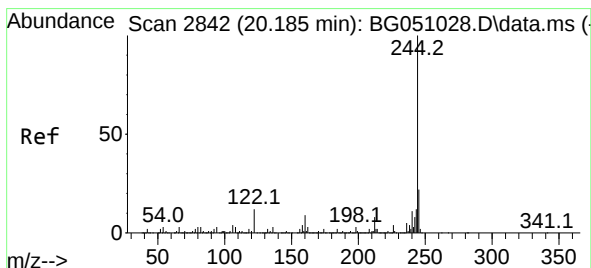
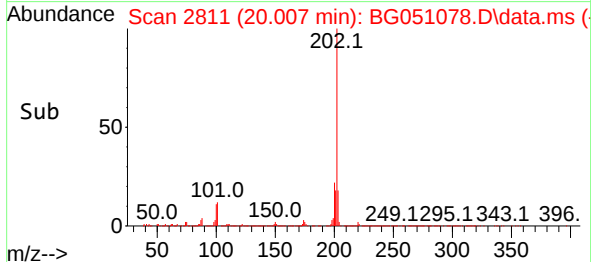
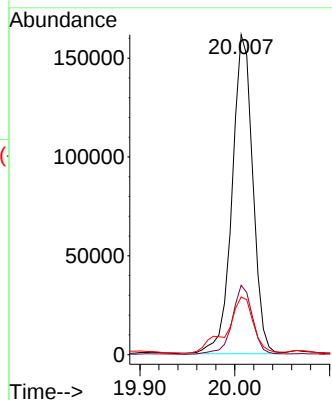
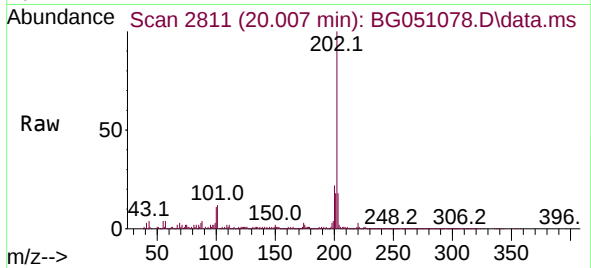




#78
Pyrene
Concen: 17.565 ng
RT: 20.007 min Scan# 2811
Delta R.T. 0.004 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

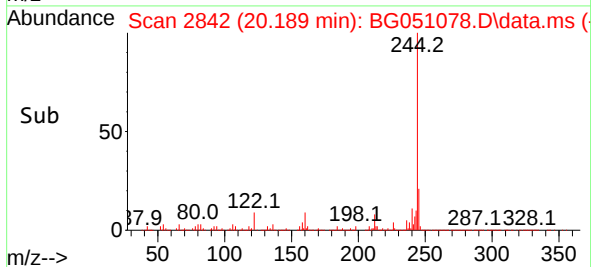
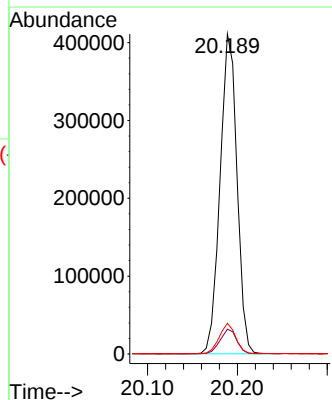
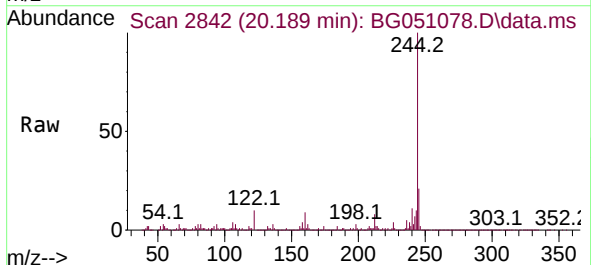
Instrument :
BNA_G
ClientSampleId :
VWE-B35-111221-0-10RE

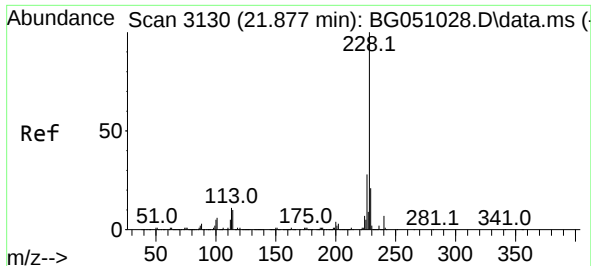
Tgt Ion:202 Resp: 244188
Ion Ratio Lower Upper
202 100
200 21.7 15.8 23.8
203 18.1 14.6 21.8



#79
Terphenyl-d14
Concen: 53.073 ng
RT: 20.189 min Scan# 2842
Delta R.T. 0.004 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

Tgt Ion:244 Resp: 537504
Ion Ratio Lower Upper
244 100
212 7.7 6.9 10.3
122 9.6 5.0 7.6#

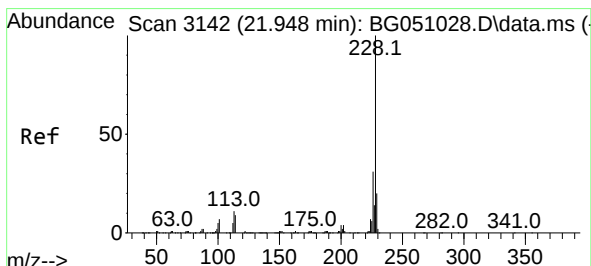
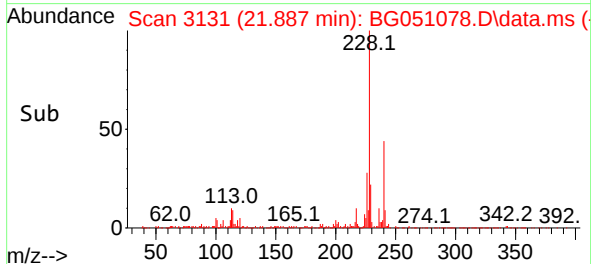
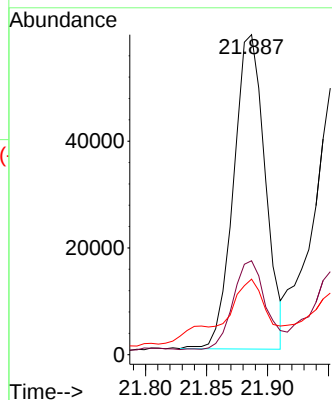
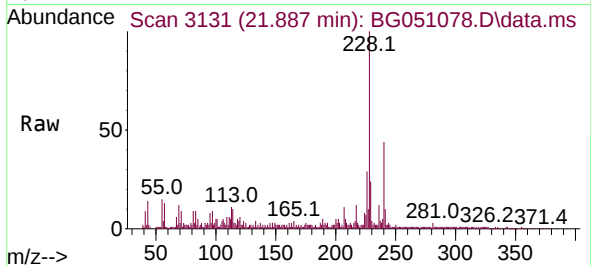




#81
Benzo(a)anthracene
Concen: 8.351 ng
RT: 21.887 min Scan# 3131
Delta R.T. 0.010 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

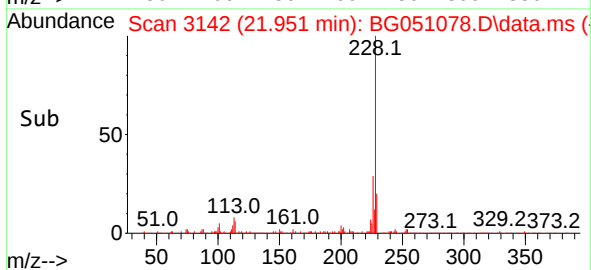
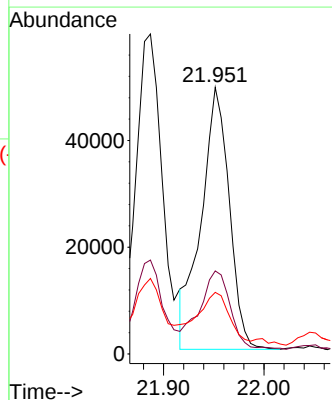
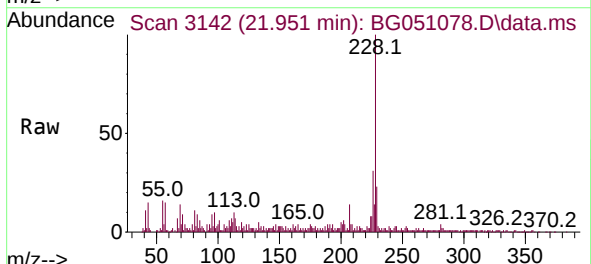
Instrument :
BNA_G
ClientSampleId :
VWE-B35-111221-0-10RE

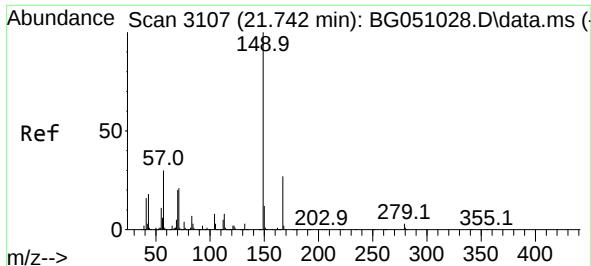
Tgt Ion:228 Resp: 106261
Ion Ratio Lower Upper
228 100
226 29.4 22.7 34.1
229 23.6 16.0 24.0



#83
Chrysene
Concen: 7.989 ng
RT: 21.951 min Scan# 3142
Delta R.T. 0.004 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

Tgt Ion:228 Resp: 95893
Ion Ratio Lower Upper
228 100
226 31.1 23.1 34.7
229 23.1 15.3 22.9#



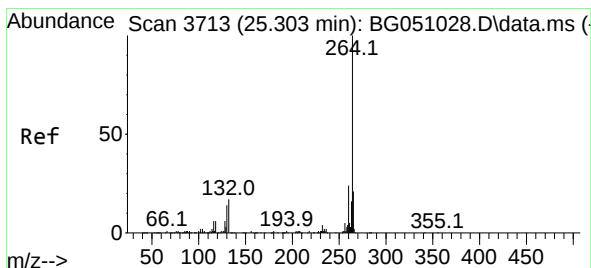
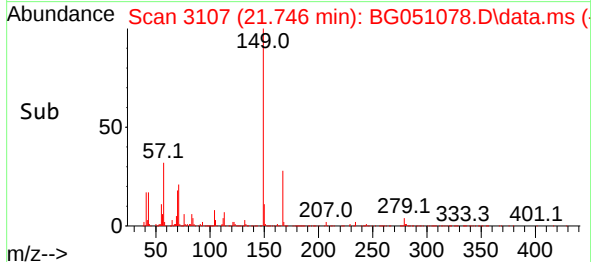
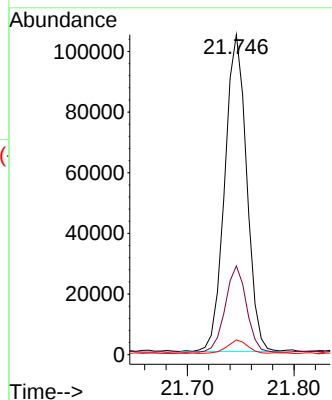
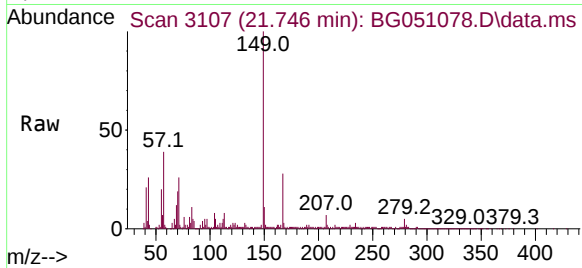


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 17.697 ng
 RT: 21.746 min Scan# 3107
 Delta R.T. 0.004 min
 Lab File: BG051078.D
 Acq: 16 Nov 2021 22:40

Instrument :
 BNA_G
 ClientSampleId :
 VWE-B35-111221-0-10RE

Tgt Ion:149 Resp: 148910

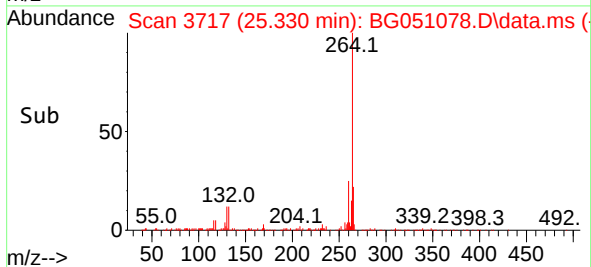
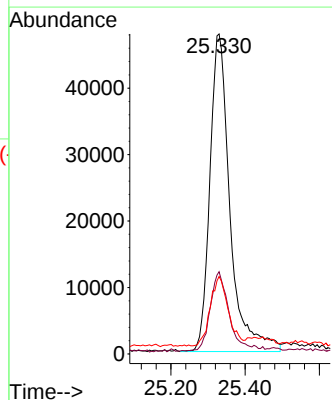
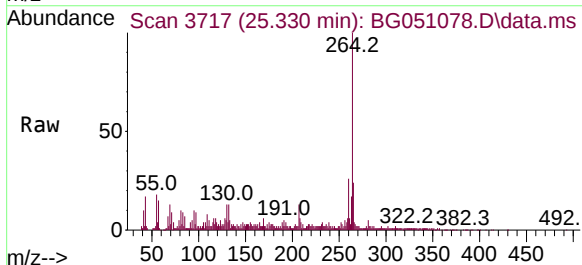
Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.3	33.5
279	4.6	3.8	5.8

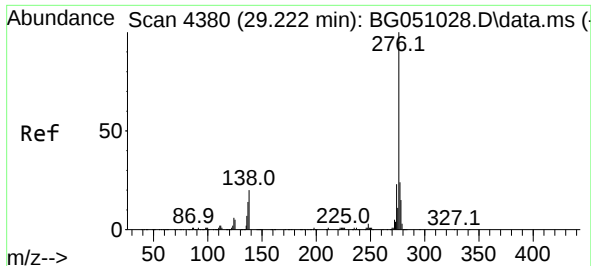


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.330 min Scan# 3717
 Delta R.T. 0.027 min
 Lab File: BG051078.D
 Acq: 16 Nov 2021 22:40

Tgt Ion:264 Resp: 180383

Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.4	29.2
265	24.2	16.9	25.3

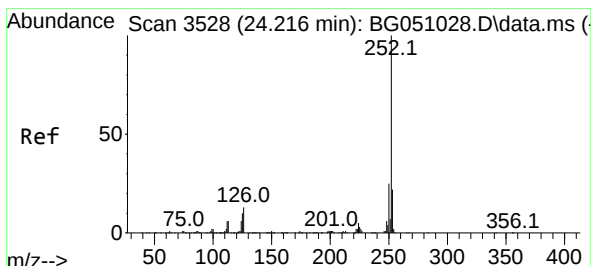
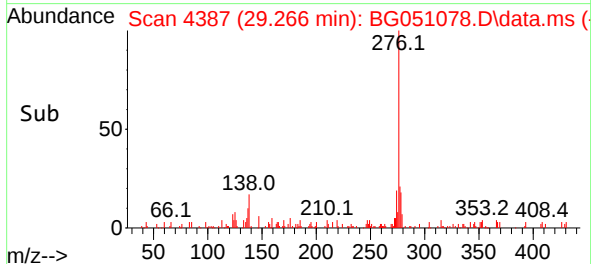
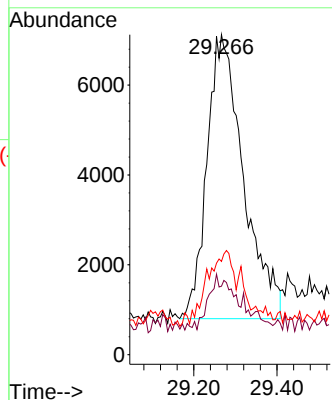
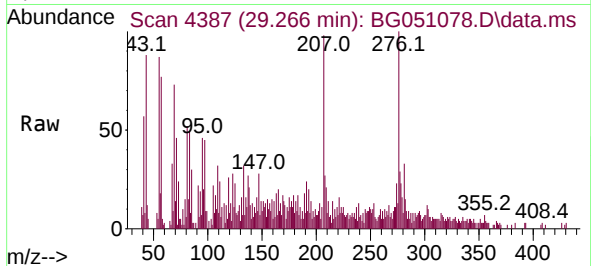




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.015 ng
 RT: 29.266 min Scan# 41
 Delta R.T. 0.045 min
 Lab File: BG051078.D
 Acq: 16 Nov 2021 22:40

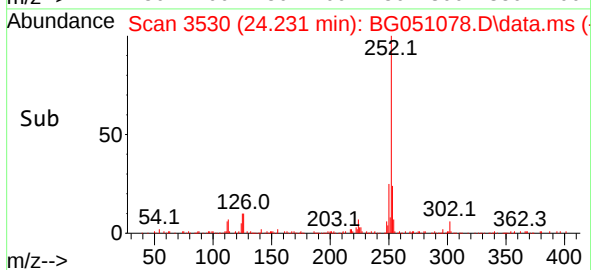
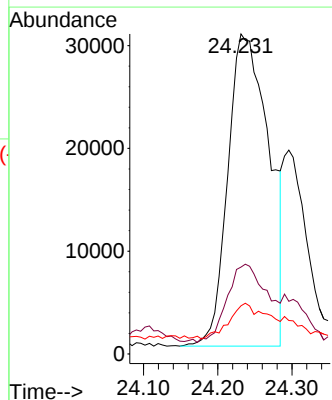
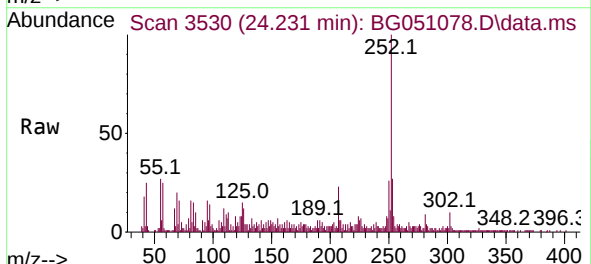
Instrument :
 BNA_G
 ClientSampleId :
 VWE-B35-111221-0-10RE

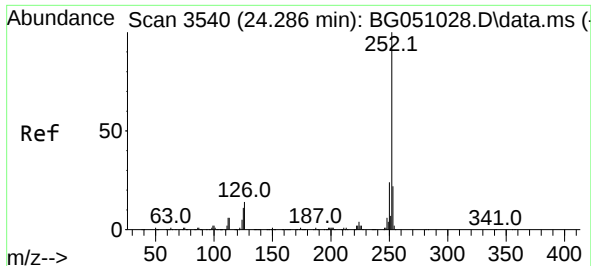
Tgt Ion:276 Resp: 38600
 Ion Ratio Lower Upper
 276 100
 138 0.0 5.1 7.7#
 277 17.8 19.8 29.6#



#88
 Benzo(b)fluoranthene
 Concen: 10.297 ng
 RT: 24.231 min Scan# 3530
 Delta R.T. 0.016 min
 Lab File: BG051078.D
 Acq: 16 Nov 2021 22:40

Tgt Ion:252 Resp: 116921
 Ion Ratio Lower Upper
 252 100
 253 27.2 16.2 24.4#
 125 15.1 3.0 4.4#

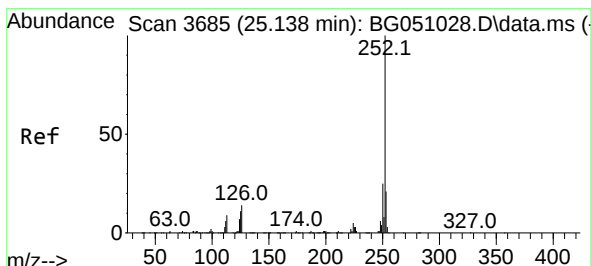
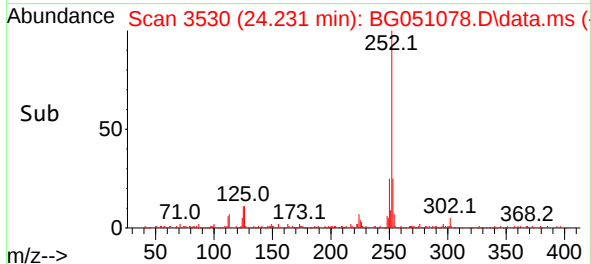
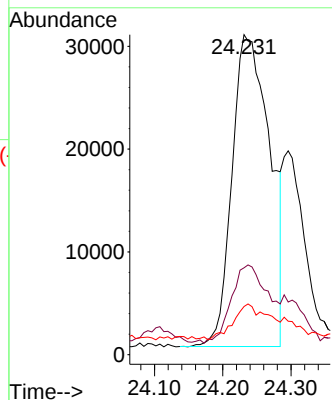
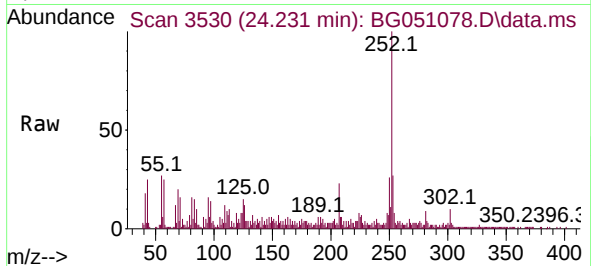




#89
Benzo(k)fluoranthene
Concen: 10.305 ng
RT: 24.231 min Scan# 31
Delta R.T. -0.055 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

Instrument :
BNA_G
ClientSampleId :
VWE-B35-111221-0-10RE

Tgt Ion:252 Resp: 116697
Ion Ratio Lower Upper
252 100
253 27.2 18.0 27.0#
125 15.1 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 8.781 ng
RT: 25.165 min Scan# 3689
Delta R.T. 0.027 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

Tgt Ion:252 Resp: 85115
Ion Ratio Lower Upper
252 100
253 27.9 16.6 25.0#
125 14.9 3.5 5.3#

